



NORTHWESTERN UNIVERSITY

One Hundred and Thirteenth Annual

COMMENCEMENT

SATURDAY, JUNE 12, 1971

McGaw Memorial Hall, Evanston, Illinois

THE UNIVERSITY HYMN

Hail to Alma Mater!
We will sing thy praise forever;
All thy sons and daughters
Pledge thee victory and honor.
Alma Mater, praise be thine,
May thy name forever shine!
Hail to Purple! Hail to White!
Hail to thee, Northwestern!

Smoking is permitted only in the outer main floor lobby.

THE PROGRAM

PROCESSIONAL

(Audience will please remain seated for the Student and Faculty Processional.)

THE NATIONAL ANTHEM

(The first stanza)

(Audience will please remain standing until the Invocation has been offered.)

INVOCATION

THE REVEREND JAMES C. MC LEOD

Professor, History and Literature of Religions

CONFERRING OF HONORARY DEGREES

Citations read by ROBERT H. STROTZ

President of the University

AWARDING OF DIPLOMAS AND CONFERRING OF DEGREES

JAMES ROSCOE MILLER

Chancellor of the University

ADDRESS

MARGARET CHASE SMITH

United States Senator from Maine

REMARKS

EVA L. JEFFERSON

Student, College of Arts and Sciences

DELIVERY OF DIPLOMAS

The Deans of the Schools

THE UNIVERSITY HYMN

(Words to the University Hymn are printed inside the front cover.)

BENEDICTION

THE REVEREND RALPH G. DUNLOP

University Chaplain

RECESSIONAL

FACULTY RECESSIONAL *(Graduates and guests will please remain seated.)*

STUDENT RECESSIONAL *(Guests will please remain seated.)*

Parents and guests are respectfully requested to remain in their seats during the entire ceremony, including the period when diplomas are delivered. The aisles of the Hall must be kept clear at all times, and those who leave their seats before the close of the ceremony must leave the building immediately through the front lobby.



THE HONORARY DEGREES

GREGORY BATESON — DOCTOR OF SCIENCE

Associate Director, Oceanic Institute, A.B., Cambridge, 1925; M.A., 1930. Guggenheim Fellow, 1946-47. Lecturer in Linguistics, Sidney, Australia, 1928; Anthropological Film Analyst, Museum of Modern Art, New York, 1942-43; Lecturer, Naval School of Government and Administration, Columbia, 1943-44; Regional Specialist, Office of Strategic Services, 1944-47; Visiting Professor, Harvard, 1947-48; Lecturer, Langley-Porter Clinic, 1948-50; Ethnologist, Veterans Administration Hospital, Palo Alto, 1950-62. Frieda Fromm-Reichman Award, 1962. Member Ethnological Society, Anthropological Association, Institute of Intercultural Studies, Royal Anthropological Institute of Great Britain and Ireland, British Psychological Society. Author of *Naven; Balinese Character*.

Presented by Paul J. Bohannon, Professor and Chairman, department of Anthropology, College of Arts and Sciences

RAY ALLEN BILLINGTON — DOCTOR OF HUMANE LETTERS

Historian, Ph.B., University of Wisconsin, 1926; M.A., University of Michigan, 1927; Ph.D., Harvard, 1933. M.A., Oxford, 1953; Litt.D., Bowling Green, 1958; University of Redlands, 1965; LL.D. (hon), Park College, 1961; Occidental College, 1969. Assistant Professor of History, Clark University, 1931-37; Smith College, 1937-38; Associate Professor, 1938-44; Professor, 1944; Professor, Northwestern, 1944-49; William Smith Mason Professor, Northwestern, 1949-63; Senior Research Associate, Henry E. Huntington Library, 1963—. Harnsworth Professor of American History, Oxford, 1953. Distinguished Lecturer, Johns Hopkins, 1944; University of Cincinnati, 1954; University of Kentucky, 1960. Member and president of many historical societies and organizations. Author: *The Protestant Crusade*, 1938; *Westward Expansion*, 1949; *American History Since 1865*, 1950; *American History Before 1877*, 1951; *The Far Western Frontier, 1830-1860*, 1956; *America's Frontier Heritage*, 1966. Co-author and editor of numerous other volumes.

Presented by Richard W. Leopold, Professor of History, College of Arts and Sciences

JOHN EMIL DORN — DOCTOR OF SCIENCE

Professor, Department of Mineral Technology, University of California, Berkeley. B.S., Northwestern, 1931; M.S., Northwestern, 1932; Ph.D., University of Minnesota, 1936. Research Associate, Battelle Memorial Institute; Assistant Professor of Mechanical Engineering, University of California; Research Metallurgist, Dow Chemical Company; Associate Professor of Physical Metallurgy, University of California; Professor of Metallurgy, University of California. Army-Navy Award for outstanding research during World War II, 1947. Charles D. Dudley Medal of American Society for Testing Materials, 1956; Henry Marion Howe Medal of American Society of Metals, 1957; Albert Easton White Award of ASM, 1964. National Trustee of ASM. Member, American Chemical Society; American Institute of Mining and Metallurgical Engineers.

Presented by John O. Brittain, Professor and Chairman, Materials Science Department, Technological Institute

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

LEON GREEN — DOCTOR OF LAWS

Professor of Law. A.B., Ouachita College, 1908; LL.B., University of Texas, 1915. M.A. (hon), Yale, 1928; LL.D., Louisiana State University, 1938. Member of Rector and Green, 1912-15; Adjunct Professor of Law, University of Texas, 1915-18; practice of law, 1918-20; Professor of Law, University of Texas, 1921-26; Professor of Law and Dean of the School of Law, University of North Carolina, 1926-27; Associate Professor of Law, Yale, 1927-28; Professor, 1928-29; Professor of Law and Dean of the School of Law, Northwestern, 1929-47; Distinguished Professor of Law, University of Texas, 1947-58; Professor of Law, 1960—; Professor of Law, University of California, Hastings College of Law, 1958-59. Member of the bar in Texas, Connecticut and Illinois. Author: *Rationale of Proximate Cause*, 1927; *The Judicial Process in Tort Cases*, 1931; *My Philosophy of Law*, 1941; *Traffic Victims: Tort Law and Insurance*, 1958; *The Litigation Process in Tort Law*, 1966; co-author of other volumes; and contributor of legal periodicals.

Presented by Howard J. Trienens, Trustee of Northwestern University

RUDOLF HOTZ — DOCTOR OF SCIENCE

Professor of Medicine, University of Zürich. Degrees in medicine, dentistry, and philosophy, University of Zürich: M.D., 1929; D.D.S., 1931; Ph.D., 1943. "Oberarzt" in Surgery, Faculty of Medicine, University of Zürich. Professor, 1946; Dean, 1962-64, Faculty of Medicine. Director, studies in dentistry, University of Zürich, 1951-55. Member of many scientific societies, including the medical and dental societies of Switzerland; the Netherlands Society for Scientific Study in Orthodontics; the European Orthodontic Society (President, 1948). Organized and chaired the first international conference devoted to the problems of cleft lips and palates. On the occasion of his 65th birthday in 1970 an entire issue of the Swiss dental journal, *Schweizerische Monatsschrift für Zahnheilkunde*, was dedicated to him, with contributions by leading workers from several countries in his main fields of interest. Author of many books and articles in various languages, and a widely-travelled lecturer.

Presented by Dr. Orion H. Stuteville, Professor, Emeritus, Maxillofacial Surgery, Medical and Dental Schools

RENSELAER WRIGHT LEE — DOCTOR OF HUMANE LETTERS

Art historian. A.B., Princeton, 1920; Ph.D., 1926. Instructor in English, Princeton, 1922-23, 1925-28; Associate Professor of History of Art, Northwestern, 1931-34; Professor, 1934-40; Chairman of the Department, 1931-40; Professor of Art, Smith College, 1941-48; Professor of Art, Columbia, 1948-54; Professor of Art, New York University, Institute of Fine Arts, 1954-55; Professor of Art and Archaeology and Chairman of the Department, Princeton, 1955-64; Marquand Professor, 1964-66. Vice-President, International Federation of Renaissance Societies and Institutes, 1967—; Vice-President, International Council of Philosophy and Humane Sciences, 1965—; Executive Secretary, Committee on Protection of Cultural Treasures in War Areas, 1944-45; Director, 1953-61; Fellow, American Academy of Arts and Sciences; member of executive board, Renaissance Society of America. Author: *Utpictura poesis: The Humanistic Theory of Painting*, and numerous articles.

Presented by Leigh Block, Trustee of Northwestern University

NORTHWESTERN UNIVERSITY

SIDNEY PERCY MARLAND — DOCTOR OF LAWS

United States Commissioner of Education. A.B., University of Connecticut, 1936; M.A., New York University, 1950; Ph.D., New York University, 1955. Trustee, University of Pittsburgh. Member, Board of Directors, National Merit Scholarship Corporation. Teacher of English, West Hartford, Connecticut. Superintendent of Schools, Darien, Connecticut, 1948-56. Superintendent of schools, Winnetka, Illinois, 1956-63. Superintendent of Schools, Pittsburgh, 1963-68. President, Institute for Educational Development, New York City. Vice-Chairman, White House Conference on Education, 1965. Member, advisory council, Office of Economic Opportunity and committee on Education for Disadvantaged Children; member, American Society for Curriculum Development; president, Greater Cities School Improvement Council.

Presented by Lloyd S. Michael, Professor of Administration, School of Education

ROGER SESSIONS — DOCTOR OF FINE ARTS

Composer and music educator. A.B., Harvard, 1915; Mus.B., Yale, 1917. Mus.D., Wesleyan University, 1958; Rutgers, 1962; New England Conservatory of Music, 1966; LL.D., Brandeis, 1965; A.F.D., University of Pennsylvania, 1966; D.F.A., University of California, 1967. Instructor, Smith College, 1919-21; Teacher of Theory, Cleveland Institute of Music, 1921-25; Instructor, Boston University College of Music, 1933-35; Instructor, Princeton University, 1935-37; Assistant Professor, 1937-40; Associate Professor, 1940-45; Professor, University of California, 1945-52; William Shubael Conant Professor of Music, Princeton, 1953-65; member of the faculty, Juilliard School of Music, 1965-; Ernest Block Professor of Music, University of California, 1966-67; Charles Eliot Norton Professor, Harvard, 1968-69. Member of the American Academy of Arts and Sciences, International Society for Contemporary Music, National Institute of Arts and Letters. Awards include Gold Medal, National Institute of Arts and Letters, 1961, and Edward MacDowell Medal, 1968. In addition to numerous symphonies and concerti, his compositions include a ballet, two operas, and many chamber works and solo pieces.

Presented by Anthony Donato, Professor, Theory and Composition Department, School of Music

HERMON DUNLAP SMITH — DOCTOR OF LAWS

Until his retirement in 1966, Chairman of the Board and Chief Executive Officer, Marsh and McLennan. A.B., Harvard, 1921. Phi Beta Kappa. Past member, Harvard Board of Overseers. Trustee, University of Chicago, Radcliffe College. With Northern Trust Company, Chicago, 1922-28. With Marsh and McLennan, 1928-66. Director, Encyclopaedia Britannica and Encyclopaedia Britannica Films. President, Field Foundation of Illinois. President, Adler Planetarium. President, Newberry Library. Vice-President, Chicago Council on Foreign Relations. Chairman, Adlai Stevenson Institute of Foreign Affairs. Chairman, National Merit Scholarship Corporation. Chairman, executive committee, Chicago Community Trust. Chairman, finance committee, Commission on Foundations and Private Philanthropy. Many other civic offices. Author, *The Revolutionary Journals of Henry Dearborn, 1773-83, with Biographical Essay*, 1939, and of other books and articles.

Presented by Tilden Cummings, Trustee of Northwestern University

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

EDWARD LAWRIE TATUM — DOCTOR OF SCIENCE

Biochemist. A.B., University of Wisconsin, 1931; M.S., 1932; Ph.D., 1934. Research Associate in Biology, Stanford University, 1937-41, Assistant Professor, 1942-45; Associate Professor of Botany, Yale, 1945-46; Professor of Microbiology, 1946-48; Professor of Biology, Stanford, 1948-56; Professor of Biochemistry and Chairman of Department; member of Rockefeller University, 1957—. Nobel Prize in Medicine and Physiology, 1958, (with George Beadle and Joshua Lederberger); member of the National Academy of Science, the American Philosophical Society, and various professional organizations. Author of numerous scientific papers.

Presented by George R. Cain, Trustee of Northwestern University

MARGARET CHASE SMITH — DOCTOR OF LAWS

United States Senator from Maine. Teacher, Skowhegan, Maine, 1916. Office executive for Independent Reporter 1919-28 and Daniel E. Cummings Co., 1928-30. Treasurer for New England Process Co., Skowhegan, 1928-30. Member of Republican State Committee, Maine, 1930-36. Became member, of Congress, 2nd Main district, upon death of her husband, Clyde H. Smith, serving 76th to 80th Congresses, 1940-49. Only woman elected to four full six-year terms in United States Senate, in 1948, 1954, 1960, 1966. Nominated for office of President of the United States in 1964. Recipient of numerous national awards and of honorary degrees from many colleges and universities.

Presented by Payson S. Wild, Provost, Northwestern University

WHITNEY MOORE YOUNG, JR. — DOCTOR OF LAWS (awarded posthumously)

Late Executive Director of the National Urban League. B.S., Kentucky State College, 1941; M.A., University of Minnesota, 1947; LL.D., North Carolina Agricultural and Technical College, 1961. Industrial Relations and Vocational Guidance Director, St. Paul Urban League, 1947-50; Executive Secretary, Omaha Urban League, 1950-53; Dean, School of Social Work, Atlanta University, 1954-60; National Urban League, 1961-71. Member of and honored by many national organizations. Author of *Integration: The Role of Labor Education*, 1959; *To Be Equal*, 1964; and other books.

Mrs. Young presented by Raymond W. Mack—Vice President and Dean of Faculties

THE DEGREES IN COURSE

The appearance of a name on this list is presumptive evidence of graduation
but is not to be regarded as conclusive.

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by ACTING DEAN LAURENCE H. NOBLES

BACHELOR OF ARTS

Julia Marie Acton	John Wallace Bass
Rinda Christine Adams	Kenneth Harry Baum
Thomas Jake Adducci	Rodney Lee Beard
Daniel Joseph Affrunti	Gary Lewis Beaver
David John Aho	Lawrence Jay Becker
Nicholas Orlando Aliberti	Clark Beim-Esche
Donald Brian Altman	Rose Ellen Bencomo
Margaret Louise Anderson	Taffy Benjamin
Sarah Anderson	Michael James Bercos
Susan Marie Andretta	Don H. Bercuson
John Ramsay Anstey	James David Berg
Fred Arthur Antonini	Alice Berkson
Marie Elverine Arana	Gabriel Ira Berlin
Angelyn Tullia Arcaro	Michael David Berlin
Ralph Francis Armstrong	Devora Hatowski Berman
Charles Franklin Arnold, Jr.	Robert Steven Bernstein
Antoinette Hershey Arrington	Ronald Lee Berry
Raymond Joseph Artabasy, Jr.	John Dwight Bertleson
Marlene McMahon Asselin	Anthony William Bianchi
Howard Barth Atkin	Thomas Raymond Bieneman
Laura Butler Atkins	Lois Meredith Birch
Jonathan Keith Auerbach	Nancy Lee Birnbaum
Sara Marie August	Warren Bernhard Bjork, Jr.
James Edward Avery	Rosalyn Barnett Blankstein
David Mira Ayala	Joanna Emilge Bloch
Richard Ayer	George Ray Bodmer
James King Badger	Barbara Nan Bolas
Michael James Bagdon	John Thomas Bolger
Lisa Bailey	Don Ward Bollinger
Richard Donald Baird	Sandra Schoelkopf Bollinger
John David Baker	Anne Margaret Boyd
Michael John Balchunas	Beth Gail Brandolph
Vickie Childress Balchunas	James Zahn Brandt
Rose Mary Baltrusaitis	Pamela Christine Braun
Ronald Paul Bangasser	Steven Kenneth Braun
Lee Arthur Banks	Thomas William Brock
Susan Jane Bannerman	Susan Greenberg Brook
Bartholomew Bruce Barica	Dorothy Claire Brown
Helen Langley Barnes	Floyd Melvin Brown, Jr.
William Stephen Barnes	Mary Kent Brown
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Jan Marie Baron	Barry Louis Brunetti
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 Emanuel Calenoff
 James H. Caplan
 Carl Christian Carlson
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 Betsy Maria Chalfin
 Edward Carl Challberg
 Jeffrey Douglas Chandler
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 Stephen Richard Chura
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 Sheldon Richard Cravens
 Jonathan Ralph Crespin
 Patricia Ann Crowley
 Carolynn Ann Crusey
 Andrew Henry Cubria
 Joanne Louise Schreiner Curtis
 Marian Erika Curtis
 Richard Stephen Curtis
 Marshall Nelson Cyrlin
 May Khadem Czerniejewski
 Timothy Keup Dahlstrand
 Victor D'Amico

Patricia Lee Danforth
 Jurate Joana Dargis
 Milda Maria Dargis
 Margaret Jane Dastoli
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 Melissa Anne Davies
 Bank Dawson
 Judith Quayle Dawson
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 Troy Melvin DeBord
 JoAnn Deckert
 Barbara Jeanne DeCombo
 Nick Anthony De Filippis
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 Nancy Ann Devine
 Teresa Arlene Dial
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 Debra Jane Dronge
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Kong-Leng Khor	Francisco Lopez
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 Efstathia Andros Siegel
 James Loetscher Siekmann
 Barry Thomas Silesky
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 Jay Mayer Silverman
 John Richard Silverman
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 Joanne Marie Sims
 Mark Edward Singer
 Charles William Siragusa
 Frank Skala
 Kathryn Alik Skoul
 John Jarman Slaughter
 Allan James Slobodin
 Joyce Martin Smart
 Jack Craig Smeeton
 Richard Mervin Smith
 Mary Esther Snell
 Patricia Gayle Snider
 Amy Joan Snyder
 James Allan Soderberg
 Karl Walter Sonneman
 Virginia Lee Soule
 Beth Andrea Splinter
 Darrell Robert Splithoff

NORTHWESTERN UNIVERSITY

Sandra Gudrun Stabb
 David Harry Stacy
 William Joseph Stacy
 Candida Staempfli
 Jeanette Marie Stanhaus
 Helen Marie Stecy
 John Lyle Steffan
 Sanford Donald Stein
 Alan Joel Steinberg
 David Wayne Stepelton
 Philip Eliot Stern
 Cary Steven Sternick
 Bernard Stevens
 William Hughes Stevens
 Sandra Susan Stewart
 Robert Carl Stone
 Tina Marie Stonehouse
 Robert Frank Strauss
 Susan Victoria Strocchia
 Richard Willis Strong
 Ellen A. Stuttle
 Susan Jennifer Sugarman
 Vance Ellis Sulsky
 Eugene Samuel Sunshine
 Michelle Vickery Suski
 Paul Allyn Suttell
 Mark Ferencz Swislow
 Philip Neil Tague
 William Owen Taluitie
 Ralph Kinichi Tamura
 Susan Barbara Tarantur
 Nancy Ruth Tarlow
 Melvyn Jacob Tarnopol
 Richard Forster Telander
 James Abner Terr
 Sylvia Mary Thanas
 Craig Bruce Thayer
 Gayle Yvonne Rothenberger
 Thieman
 Chris Tom Thomas
 Robert Alan Thomas
 John Philip Thompson
 Mark Robert Thompson
 Robert William Thurston
 Judith Ann Tibbetts
 Lawrence Valery Tkach
 Kenneth William Torluemke
 Gerald Martin Torrence
 Jane Beth Trabich
 Cecile Olivia Trop
 Carole Masae Tsuchiya
 Sherwin Eton Turk
 Patti Lynn Tuttle
 Paula Marie Uihlein
 Fred Woodrow Underwood
 Susan Violette Vaculik
 Joseph James Valadez

Dorothy Ann Hosford Van Duzer
 Nora Lee Van Luik
 Paul Swift Van Nice
 Jill Rosenfelder Vavrek
 Jeffery Stephen Vender
 Randolph Coleman Visser
 Mary Alice Volk
 Jeffrey Von Kohorn
 Catherine Mae Waldheger
 Robert John Walinski
 Dianne Marie Wall
 Sue Ellen Wallace
 Constance Jean Ward
 James Michael Ward
 Michael Philip Ward
 Janet Lucia Washbon
 Anita Marie Waskowski
 James Edward Waters
 Charles Edward Webster
 Janet Suzanne Weidman
 Edward John Weiler
 James Douglas Weiner
 Stephanie Rosenn Weiner
 Elizabeth Frances Weiss
 James Robert Weiss
 Jeri-Ruth Werner
 Linda Elizabeth Wheeler
 William David Wick
 Martha Ann Wiedman
 Dennis Fulton Wigert
 Gregory Grant Wilcox
 Carol Jane Wildenberg
 Pamela Sue Williams
 Risé Anne Williamson
 Dexter Edward Wilson
 Judith Kay Wilson
 Robert Lee Wilson
 Virginia Quick Wilson
 Robert Winston Wingerd
 Gerald Roland Winnan
 James Charles Wolfe
 Warren Lee Wolfson
 Jeanne Mee Goon Won
 Richard Carl Wopat
 Robert Mark Wrobel
 Albert Henry Wurth, Jr.
 Gordon Alan Wyner
 Mark Alan Yohanna
 Elizabeth Anne Yost
 Deidre Jeanne Young
 Ronald Jacob Zach
 Jan Karel Zaluda
 Roger Walter Zawacki
 Theresa Anne Zimmermann
 Allan Stuart Zipkin
 William Dennis Zolin

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

BACHELOR OF PHILOSOPHY

Willard Victor Allen, Jr.	Virginia Ann Mendell
Merrill Marion Becker	Delores Lee Morris
Lesley Ann Bladen	James Albert Nieburger
Dennis Paul Bottum	Jerre T. Nugent
Joseph Raymond Carrozzo	Linda N. Patchett
Grace Griggs Cottrell	Nathan Patland
Edythe-Mae Cunningham	Patricia McNulty Patterson
Joye Creech Fish	Michael Leo Quinn
Walter Joseph Gaffigan	Emaline B. Schell
Myron Roland Gigl	Donald Philip Schoen
Sandra Lee Green	Madeleine Sheahan
Bartholomew Guttman	Kenneth Robert Shewan
Ruth Poole Hess	Marcella Sich
James Alfred Hutcherson	Wayon Milton Smith
Joan Marion Ingram	Raymond Earl Stahl
Victoria Helene Kalish	Marlene Travis Stites
Joseph Wenceslaus Knotek	Dorothy Siemsen Sylvester
Vincent Louis Krivanek	Edith May Van Dermark
William Ronald Kucirko	Richard George Wagner
Zuzanna Rita Kurlinski	William Wagner
Kenneth Brian Malmberg	Steven Louis Weinberg
Saul Manaster	Ann Tobin Wells
Ira Bruce Marshall	Evelyn Jean Woods
Roger Patton Melby	Francis John Zeman III

BACHELOR OF SCIENCE IN GENERAL EDUCATION

Sarah Elizabeth Brauer	Richard Joseph Krause
Linda Lee Christensen	Pauline Henderson Lawson
Varoujan Durgarian	Fred Allan Ottenbacher
John Joseph Finley	Francine Reszutko Parish
Dorothy Giok-Luen-Ma Generes	Charles Philip Pecoraro
Arpine Halebian Hovnanian	Paul Robert Spivey
Dorothy Kalomiris	

THE SCHOOL OF MEDICINE

Candidates presented by DEAN JAMES E. ECKENHOFF

DOCTOR OF MEDICINE

Scott S. Aksman	David Howe Barry, Jr.
John Edward Albanese	John David Bartleson, Jr.
Howard Lang Alt	Bruce Gene Bartlow
Marjorie Janis Alt	Melvyn Arthur Bayly, Jr.
Jack David Anderson	Jeffrey Drew Beckwith
James Ellsworth Appelwick	Richard Henry Bell, Jr.
Frederick H. Armbrust	Randall Trueblood Bellows
Daniel Jack Arnold	Gail Eisenhart Belytschko
Allen Williams Ayres	Arnold Steven Berns
Phillip Ward Ballard	Owen Mark Berow
Rex Victor Barnes	Hobart Don Blair II
William Daniel Barnhart	David Rae Blessing

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 William Clifford Bonfield
 Andrew Bregman
 Eric Ernest Brody
 David Randall Bruce
 Peter Todd Bulkley
 Stephen John Carlson
 Stephen Jay Chernaik
 Sybil Jean Circle
 Albert Marvin Cooley
 John Raymond Cooley
 Arthur William Curtis
 David Newton Danforth, Jr.
 Richard Nicholas De Iorio
 Lawrence Carroll Dempsey
 Bernard Claude Dianzumba
 George John Dohrmann III
 Bruce Lee Dresner
 Charles Drueck III
 Michael Andrew Dunn
 Nyambi Ebie
 Walter Allan Edmiston, Jr.
 Nicholas Victor Emanuele
 Barton Bradford Fischer
 James Edmond Fish
 Donald Robert Fisk
 Philip Joseph FitzSimons
 James David Fuller
 Robert Michael Garfield
 Robert Mac Geer
 Mark David Gendleman
 Bijan Ghorashi
 David Grant Gilbert
 Howard Gillis II
 Glen George Glista
 John Nathan Glover
 Richard Norman Gold
 Alan Howard Goldberg
 Stephen Rollin Greenberg
 Boyd Joman Groth
 Mary Kathleen Groth
 Jeffrey Brooks Hagen
 Lawrence James Hagerman
 Robert Francis Hall, Jr.
 John Michael Hanson
 Charles Rexford Hawley
 Michael Owen Henneberry
 J. Patrick Hieber
 Rodney Jay Hoxsey
 David Edward Humphrey
 Duane Roger Iverson
 Michael W. Kent
 Jit-Seng Khoo
 Tomas Andrius Kisieliuss
 Roger Alan Kohn
 Richard Douglas Kunske
 Thomas Charles Laipply
 Kenneth Robert Leschot
 Elliot Gene Levy
 Donald Hulbert Loebli
 James Calvin MacKenzie

Marc I. Malberg
 Wayne Front March
 Robert Charles Marshall
 Ronald Lawrence Martin
 Michael Thomas Mc Auliffe
 Cheryl Faintuch Mc Cartney
 Craig Arthur McKeown
 James Helfrich McMillan
 Patricia Anne Merwick
 Walter James Metzger, Jr.
 George Wiles Middlekauff
 Robert Harold Mikkelsen
 Paul Bennett Mager Milberg
 James Douglas Miller
 Harvey Kenji Minatoya
 Robert Jay Minkus
 David Eugene Monahan
 Leland Jed Morrison
 Gilbert Warren Mouser, Jr.
 Edward Charles Murphy
 Allen Richard Nissenson
 Michael Edward Novak
 Edward Shingo Ogata
 John Dundee Payne
 Elmer John Perse
 Verlyn Monroe Peterson
 Gail Portanova
 Sol I. Rajfer
 Michael Laurence Resnick
 Daniel Albert Rightmire
 Adam Henry Romeiser, Jr.
 James Edward Sander
 Michael Bertnice Ivor Scott
 Daniel John Sexton
 Anthony Ching-Ping Shen
 Gary Roy Shimer
 Frederick Joseph Shiple III
 Jerry Eudell Sims
 Choo Hee Song
 Robert F. Spetzler
 Gregg Edward Springer
 Fredric Adams Steiger
 Michael William Stelling
 Charles Martin Striebing
 Dennis Michael Styne
 Jack Alan Swelstad
 Gregory Lee Swift
 Harvey Senn Takaki
 Jay Eugene Taub
 Leon Tcheupdjian, Jr.
 Joan Kristo Vangel
 Michael James Verta, Jr.
 Calvin Page Wadley
 Carrie-Lou Walters
 Charles Lewis Walvoord
 Howard David Weiss
 Dennis Michael Welch
 Lorry Alan Widger
 Robert John Winter
 Stephen Yeh, Jr.
 Felix Zwiebel

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

BACHELOR OF SCIENCE IN MEDICINE

Arvin Herbert Alexander	Susan Mae Koenig
Dale Philip Anderson	John Earl Lowe
Clayton Woodward Bavor	Robert Coleman Master
William Ira Bensinger	Donald George Miller
Clark H. Boren, Jr.	JoAnne Claire Nelson
Barbara Kay Burton	Mark Bruce Nissenbaum
Joseph Edward Chase	Susan Gwen Perlman
Charles Theodore Conger	Mark Phillippe
Howard Andrew Coren	Robert Joseph Rothstein
John Thomas Daugirdas	Michael Schmerler
Robert Thomas Gordon	Steven Lee Schneider
Samuel Joseph Granieri	Chester Fredrick Schott
William Robert Green	Frederick Joseph Stone
Steven Lee Guber	Donald Edward Thiemann
James Allen Hill	Paul Marc Umof
Robert Francis Hofmann	Paul August Weber
Robert A. Kloner	Phillip Norman West

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Paula J. Hershey

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Wayne John Chaddock	Sheralyn A. Martin
Patricia Ann Dobrzynski	Marilyn Millman
Paula Naomi Lazoff	Sandee Loveland Peterson
Vicki Sue Levine	Susan Marie Poppendieck

THE SCHOOL OF LAW

Candidates presented by DEAN JOHN RITCHIE

MASTER OF LAWS

Tyrone C. Fahner, J.D., Wayne State University, 1968.
William Thomas Johnson, LL.B., New York Law School, 1961.
Ernesto Centeno Perez, LL.B., Manila Law College, 1968.
Clara Rozental, titula de "Abogado," La Universidad de Medellin, 1966.

JURIS DOCTOR

Victor Aron	James Burton Burns
Alan Arthur Aronson	Frederic Irving Chaimson
Robin Kidd Auld	G. Michael Cooper
Walter Warren Bell	Gilmore Frederick Diekmann, Jr.
Gerald Joseph Black	John Chester Dutton, Jr.
Kathie Lee Blackman	William Epstein
John Joseph Blake	Clinton Joseph Feil
Richard Harold Booth	Dennis Anthony Ferrazzano
Richard Baker Bowles	Allan Richard Fierce
Richard Douglas Brown	Richard Jay Firfer

NORTHWESTERN UNIVERSITY

John Richard Fisher, Jr.
 Frederic David Floberg
 Craig Steven Fochler
 Glynna Weger Freeman
 David Friedman
 Martin Richard Galbut
 Guy Gyora Gelbron
 Joan Ellen Gestrin
 Roger Clifford Goble
 Jane Margolis Goldberg
 Laurence Goldman
 Carol Lynn Green
 John Blair Haarlow
 Kathy Miller Hahn
 Thomas James Hall
 George David Hanus
 Daniel Michael Harris
 Gary Douglas Hermann
 Earl Lynn Hoover
 Steven Barry Horenstein
 Joan Marilyn Humphrey
 Thomas Haskins Jacobs
 Norman Philip Jeddeloh
 Jimmie Lee Jenkins
 Anne Feigus Johnson
 Robert Edward Jones
 Lloyd Alan Kadish
 Louis Charles Keiler, Jr.
 Richard Stephen Kling
 Allen Hugo Koranda
 Carla Arbetman Kruk
 Marc Jay Lane
 Jane Anita Lawrence
 John Frederick Lemker, Jr.
 John Louis Leonarczyk
 Ronald A. Lev
 Charles Edward Levin
 Laurence Harvey Levine
 David Herman Locks
 Stephen Harry Loeb
 Helena Sinclair Maclay
 James Zachary Margolis
 Steven Douglas McCormick
 Anthony George Melas
 Gloria Maria Michelotti
 Douglas Ivan Milan
 Michael Harry Minton
 Edwin David Muderlak
 Marc Leslie Muskat
 Stephen Craig Myers
 Moshe Z. Newman

Phillip Lewis Nunnally
 Lila Ann O'Brien
 Rodney Wayne Osborne
 Robert Bruce Patterson
 Wendy Susan Paul
 William Patrick Pearce
 Jack Laurence Phelps
 Richard Jay Raskin
 Louis Michael Richter
 John Jacob Rieck, Jr.
 Thomas Wayne Rieck
 Ronald Raymond Robinson
 David Alan Rosenthal
 David Stewart Rudstein
 Carl Louis Russo
 Barbara Lou Samuels
 Marcea Bland Samuels
 Eric M. Schiller
 Harry Jay Seigle
 James Ian Serota
 John Mahood Sheffey, Jr.
 Ann Plunkett Sheldon
 Michael M. Silbert
 David Lowell Slader
 Robert Marion Smierciak
 Edward Julian Smith
 Tricia Ann Smith
 Robert Aron Smoller
 Gene Russell Solomon
 Charles E. Stahl
 Gary Lee Starkman
 Jon Eric Steffensen
 Margaret Gay Stewart
 Eric James Strauss
 Joel B. Stronberg
 Bonny Sutker
 Roger Lee Taylor
 Lawrence Templer
 Jeffrey S. Torf
 Walter Scott Trude III
 A. Philip Van Dyke
 Donald Arthur Wall
 John Keeley Weir
 Jackson Harvey Welch, Jr.
 Jack M. Wesoky
 Nancy Shepanek Whitten
 Susan Pryor Willson
 Theodore Witold Wroblewski
 Stewart Marvin Zelmar
 Ronald Lee Zemlicka

THE SCHOOL OF SPEECH

Candidates presented by DEAN JAMES H. MCBURNEY

BACHELOR OF SCIENCE IN SPEECH

Lameza Jeannette Abdelnour	Judith Mary Glandon
Maher Hassan Ahmad	Elsa Jan Glassman
Cheryl Elizabeth Akins	Michelle Deborah Glodt
Peter Hilton Amster	Alana Susan Golembo
Sara Elizabeth Andrew	Donald Francis Governale
Carol Jean Appleyard	Lauren Deborah Grossman
Ellen Naomi Armour	Steven Eric Gunderson
Ann Ayres	Mary Dunn Gustafson
Robert Milton Barrows	Nelson Terry Hagar
Helen Jo Beck	Mary Lee Hammel
Richard Bruce Becker	Deborah Hayes
Patricia Jones Bellmann	Barbara Wherry Hebblewhite
Lawrence Perry Bemis	Laura Joanne Hellrung
Ronald Jay Berler	Sallie Marie Hicks
Jonathan Michael Block	James Thomas Horn
Thomas Charles John Bohdan	Maury Ronald Horn
James Russell Bendat	Patricia Joan Hull
Clinton Allen Bramkamp	Robert William Hultz, Jr.
Lois Braverman	Marianne Humphrey
Richard Saunders Bromberg	Paul Falknor Iams, Jr.
Geoffrey Thomas Bushor	John Charles Ittelson
Ellen Rhonda Busman	Janet Elaine Jackson
Maria Lourdes de Guzman Carrillo	Beth S. Jacoby
Robert Wayne Casper	James Lionel Jensen
Robert Dana Charles	Gary Arthur Jones
Lynn Alice Cherkasky	Judith Ellen Kahn
Christine Curlette Christensen	Stuart Leslie Kandell
Cathy Lynn Cohen	Hope Janette Kanner
Vicki Lynn Cohen	Nancy Barbara Kantor
Joan Eleanor Cook	Dana Christopher Kelly
Roger Franklin Copeland	Dennis Chai Han Kim
Cheri Beth Couture	Barry Marc Klor
Catherine Mary Cragg	Abbey Lynn Kolber
Doris Elyn Creech	Janice Kathleen Kopec
Richard Eugene Culliton	Carole Linda Kuk
James Danek III	Geraldine Louise Kulhanek
Susan Estelle Danish	John Scott LaBounta
Susan Elizabeth DePeugh	Sara Ann Lamos
Sandra Mindell Deutch	Russell Lawrence Lapso
Leslie Joan Dolgenow	David Leon Lee
Cynthia Doyen	Deborah Anne Lefco
William Padre Eaves	Joyce Kathleen Lurie
Charlotte Jean Elias	Clifford Thurman Massa
Samuel Fifer	Marion Emily Matters
Kathryn Louise Flanagan	Wendy Hunter McKenzie
Barbara Ellen Floyd	Mary Megan McTavish
Andrew Robert Frances	Michael John Meagher
Cathy Lynn Francia	George Edward Meyer II
Ellen Frances Frell	Tobi Carson Miller
Deborah Ledyard French	Faye Adele Morse
Laurie Michele Friedman	Linda Herman Mullenbach
Stephanie Michal Fuchs	Michael Fabian Munday
Joyce Tobe Gasperow	Carol Ann Murphy
Mary Ann Gendall	Joanne Patricia Nelson
Dale Ann Ginsberg	

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Pamela Kay Nelson
Sam Nelson
JoAnn Neu
Christine Marie Nieland
Daniel Charles O'Brien
Diane Jane Oliphant
Amelia VanSingel O'Neal
Bren Adair Ortega
Catherine Ann Osborne
Terry Ellen Ovitsky
Glen Ross Parker
Pamela Susanne Peniston
Jeffrey Northcutt Pennell
Mark Leeds Perlmutter
Christina Peterson
David LeRoy Ratusnik
Virginia Elizabeth Reed
Milton John Robinson
Sharon Lynn Rogers
Bruce Mark Rosen
Ellen Sue Rothenberg
Michael Smith Sanders
Peter Ayres Santoro
Alexis Helen Sarkisian
Wendy Maureen Saunders
Norman Howard Schwartz
Patricia Jill Seifer
Jill Deborah Shaffer
Patricia Anne Shrude
Jan Shuman
Stephen Paul Siegel
Ralph Nicholas Silverio

Ellen Francis Singer
Perry Elliott Small
Josephine Sobotka
Beth Merel Sonis
Kenneth Charles Spilke
Vencel Arthur Stevens
Carolyn Adelaide Stowell
Kenneth McLeod Strange III
Geraldine Hall Strauss
Robert Irwin Strauss
Edward Justin Streb
Nancy Ann Sutherland
Laurie Donna Sutton
Milton LaPrade Tabbot
Mary Jane Thelander
Susan Elizabeth Trost
Jane Elizabeth Tufts
Christopher Thomas Vail
John James Venet
Janine Marie Veto
Miriam Malca Wagenberg
Sarah Bowers Ware
Laurel Rebecca Weeks
Sally Jo West
Leslie Ann Westerman
Joanne Louise Williams
Katherine Rogers Williams
Carlotta Jane Willis
Brian Craig Wilson
Cherilyn Constance Wright
Nikki Martin Zarefsky

THE SCHOOL OF DENTISTRY

Candidates presented by DEAN GEORGE W. TEUSCHER

DOCTOR OF DENTAL SURGERY

Bruce W. Anderson
Dennis John Arch
Robert Whitney Bauter, Jr.
Jeffrey Mace Beuttell
James Steven Chipman
Harold Robert Christiansen
Marshall Kent Cochran
Philip E. Cook
John Allan Coombs
Gary Virge Dixon
Charles Herbert Ekstrom
Lawrence Eugene Fong
John Steven Garrett
John Herbert Gerstenmaier, Jr.
Steven Dale Glaser
Kent Clark Hall

Paul C. Hanna
Robert Arthur Hannagan
William George Hayakawa
Wayne Robert Helge
Raymond K. Hendrickson
John Arve Johnson IV
Marc Robert Joondeph
Charles Clark Kallstrom
Herbert Martin Kanter
David John Katrana
Thomas A. Kersten
Clyde S. Larsen
George Lafayette LeVan
Alan J. Levin
Steven E. Markowitz
Robert E. Marx

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Randall Alan Miller
Paul Kazumi Miyamoto
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F. Kent Nance
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Gary Lee Ogrosky
Clyde Brook Olson
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Joseph H. Price
L. McKay Rich
Jack M. Richard
Charles John Rimkus
David Michael Rothbard
Lowell R. Sherman

Thomas William Sigris
David S. Silverglade
Peter Smilovits
Larry O. Staples
Charles Gilbert Stendahl
John L. Sullivan
Ronald Carl Taylor
Gregory Dean Uematsu
Charles E. Wait
Gordon Lee Watson, Jr.
Howard George Weld, Jr.
Wilbur James Wilmert
David Anthony Zabrocki
Martin Kurt Ziegner

THE SCHOOL OF MUSIC

Candidates presented by ASSOCIATE DEAN JACK M. PERNECKY

DOCTOR OF MUSIC

With Titles of Compositions and Projects

- Donald Ray Cornell, B.M., Northwestern University, 1956; M.M., 1961, S.S. Piano Performance. Written Projects: *Similarities and Divergencies in Keyboard Styles of Chopin and Brahms*; *A Study of Selected 20th-Century Swiss Piano Music*; *J.S. Bach's Musical Offering*.
- Merrill Robert Harlan, B.M., Arizona State University, 1962; M.M., Northwestern University, 1963. Piano Performance. Written Projects: *The Treatment of Rondo Form in the Solo Piano Works of Wolfgang Amadeus Mozart*; *The Twenty-four Preludes of Frederic Chopin*; *A Study of the Major Solo Piano Works of Aaron Copland*.
- Francis Easterly Little, B.S., East Tennessee State University, 1958; M.M., University of Cincinnati, 1960. Voice Performance. Written Projects: *Dietrich Buxtehude; Solo Cantatas for Tenor*; *Stylistic Development in Selected Songs of Franz Liszt*; *Humor and Satire in Selected Songs of Charles Ives*.

MASTER OF MUSIC

- Marylee Barth, B.M., Rosary College, 1970.
- Cecil Michael Blake, B.M.E., University of Oklahoma, 1968.
- Thomas Arthur Brantigan, B.M., Northwestern University, 1970.
- Mary Lois Brugler, B.A., Maryville College, 1970.
- Wayne Richard Buck, B.M., Northwestern University, 1970.
- Geraldine Byrd, B.E., Chicago Teachers College, 1952.
- Nancy Virginia Dack, B.A., Skidmore College, 1969; B.M.E., Central Methodist College, 1970.
- Frank Carl Diliberto, B.M.E., Northwestern University, 1965.
- Sylvia Ruth Dyck, B.A., Mennonite Brethren Bible College, Winnipeg, Manitoba,
- Susan Carla Ekholm, B.M., Northwestern University, 1970.
- Barry Brooks Farmer, B.M. St. Andrews Presbyterian College, 1965.
- Gitana Lee Folkes, B.S.E., Illinois State Normal University, 1956.

NORTHWESTERN UNIVERSITY

Diane Haak, B.M.E., Augustana College, 1969.
 Randy Alan Hogancamp, B.A., State College of Iowa, 1970.
 Janet Celeste Carlson Hutchins, B.M., Wheaton College, 1970.
 Mary Joyce Johnson, B.M., University of Cincinnati College Conservatory of Music, 1964.
 James Francis Kluesner, B.M. University of Iowa, 1969.
 Elizabeth Ann Kuehn, B.M.E., University of Illinois, 1969.
 Donald Clyde Little, B.M., Peabody Conservatory of Music, 1966.
 Paula Jane McMaster, B.M., St. Norbert College, 1969.
 David Michael Miotke, B.M., Northwestern University, 1969.
 Grace Wilson Igaga-Mutekanga, B.M., Heidelberg College, 1970.
 Donald Raymond Neau, B.M., Lawrence College, 1964.
 Richard Edward Norment III, B.M., Northwestern University, 1970.
 Darrell Alan Parsons, B.A., Florida Southern College, 1967.
 Antonia Pennino, B.M., Roosevelt University, 1970.
 James Keith Ramsden, B.M.E., Bradley University, 1971.
 John Barker Richardson, B.M., Eastman School of Music, 1963.
 John Joseph Schauer, B.M., Northwestern University, 1970.
 Stefani Myra Schwartz, B.A., Bryn Mawr College, 1970.
 Patricia Ann Sharpe, B.M.E., Syracuse University, 1969.
 Barbara Staropoli, S.S.J., B.S., Nazareth College, Rochester, N.Y., 1966.
 James Munro Stegner, B.M.E., Colorado State University, 1970.
 Stephen Peter Hagman Swanson, B.M., North Park College, 1968.
 Linda Sue Taylor, B.A., Maryville College, 1969.
 Timothy Maurice Timmons, B.M., University of Tulsa, 1970.
 Jean Van Altena, B.S., University of Bristol, 1961.
 Robert Vander Schaaf, B.M., Sherwood Music School, 1968.
 John Conrad Wakefield, A.B., Mac Murray College, 1970.
 Sylvia Dayeene Wallach, B.M.E., Milton College, 1967.
 Mary Kay Wallin, B.M., Wheaton College, 1970.
 Dianne Lou Wedeking, B.A., University of Northern Iowa, 1967.
 Sylvia Ann Wedeking, B.A., State College of Iowa, 1970.
 Gerald Carl Weiland, B.M., Northwestern University, 1970.
 Barbara Wimunc, B.M., Rosary College, 1970.
 Virginia Jane Wolfe, B.S.E., Indiana University of Pennsylvania, 1970.
 Lynn Jay Zeigler, B.M., Oberlin College, 1969.

BACHELOR OF MUSIC

Barbara Rae Bengel Sandra Jean Bobbe Susan Haendle Bowker David Philip Brown Leslie Ellen Brown Curtis Dwayne Burris Janice Betsy Cherin Robert Francis Chickering Gary Allen Freiburger Anne Lindsay Groves Margit Olson Hammerstrom Michael Lee Henoeh Elizabeth Louise Keenan Arvid Johan Knutsen James Leslie Ladewig	Clara Rosenzweig Lindner Nancy Catherine McAlhany Sandra Joan Mehr Virginia Breedlove Norment Gayle Patricia Pantaleo John Edward Pederson, Jr. Rufus Lamar Reid David Norman Sanders Gary Richard Shulze Margaret Ann Swett Charmian Beatrice Tashjian Carolyn Janette Wade Judith Anne Willoughby Linda Carol Wood Albert LeRoy Woodward
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Margaret Williams Creighton
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Michael Paul Gibson
Dorothy Cordes Gilles
Pamela Kay Grant
Alan Charles Gregory
Virginia Mary Hatcher
Constance Dee Healy
Jill Ann Hoffman
Jill Lois Holm
Naomi Ormond Hunt
Carl Edward Johnson
Robert Allan Johnson

Isola Charlayne Jones
Richard Paul Kennell
Patricia Ann Kirchhoff
Edward Walter Kocher, Jr.
Mary Kay Larson
Pamela Grace Massey
James Eugene Maurer
Peter James McAlcar
Jennifer Helen McKenzie
Craig Kyle Nordstrom
Thomas Wilson Rehfield
James Frederick Rich
John William Sampen
James Viking Sanford
Elizabeth Anne Schlecht
Barbara Jean Schramm
Timothy James Stewart
Melanie Helen Tomaszkiwicz
Mark Wayne Zalkin

THE GRADUATE SCHOOL
OF MANAGEMENT

Candidates presented by DEAN JOHN A. BARR

MASTER OF BUSINESS ADMINISTRATION

Clarence Melvin Abraham, Ph.B., Northwestern University, 1967.
*Andrea Staar Ackermann, B.A., Lawrence University, 1967.
Stephen Clare Adams, B.S.B.A., Northwestern University, 1970.
*Stephen Peter Adik, M.E., Stevens Institute of Technology, 1964.
Kenneth George Ahrens, A.B., Duke University, 1969.
Robert Nelson Allen, B.S.E.E., Howard University, 1969.
Robert Patterson Allen, B.A., DePauw University, 1961.
Eugene Wilbert Anderson, B.S., University of Illinois, 1958.
John Karl Anderson, Jr., B.B.A., University of Notre Dame, 1970.
Reinhard Angelmar, Diplomkaufmann, Hochschule Für Welthandel, Vienna, 1968.
Carmen Animagi, A.B. (L.A.S.), University of Illinois, 1969.
Bert O. Austin, Jr., B.S.E.E., University of Illinois, 1965.
Brett Munn Austin, B.S., Oregon State University, 1967.
Manash Kumar Bagchi, B.E., Government Engineering College, Jabbalpur, India, 1962.
William Ray Baker, B.S., Purdue University, 1970.
David Earl Bakshy, A.B., Ripon College, 1969.
Shailendra Vinodkumar Banker, B.A., Maharaja Sayajiro University of Baroda, India, 1969.
Mark George Barmann, B.S.E.E., University of Illinois, 1963.
Edwin Nelson Barnes, B.A., Michigan State University, 1969.
James George Barone, B.A., Allegheny College, 1969.
*Robert Richard Bartels, B.S., Xavier University, 1969.
Steven Damon Bassill, B.S.B.A., Northwestern University, 1970.

*With distinction

NORTHWESTERN UNIVERSITY

- Robert Paul Bauer, B.S., University of Illinois, 1966.
- *James Norman Bayley, B.S. in Economics, University of Pennsylvania, 1970.
- James Scofield Beaman, B.S., Iowa State University, 1964.
- Donald Christie Beard, B.A., Knox College, 1969.
- Frank Carl Beardslee, B.S.B.A., Aquinas College, 1969.
- Susan Ellen Beck, B.A., Northwestern University, 1969.
- Gary Kirk Benz, B.S., New York University, 1970.
- Frank Berdan III, B.S.M.E., Case Institute of Technology, 1968.
- David Theodore Berghorst, B.B.A., University of Michigan, 1969.
- John Mohun Bernard, B.S. in Commerce, Washington and Lee University, 1970.
- Robert Allen Besse, B.S., Stanford University, 1969.
- Ken Lee Betterton, B.A., University of Oregon, 1970.
- Milan Daniel Blaho, B.S.M.E., University of Illinois, 1963.
- Robert Arthur Blesch, B.S.M.E., Valparaiso University, 1959; M.S.M.E., Northwestern University, 1965.
- Gerald Wayne Blood, B.A., Hope College, 1963.
- Walter Jay Bloomenthal, B.A., University of Arizona, 1969.
- Max Ray Bohnstedt, B.S.IED., Purdue University, 1959.
- Eugene Theodore Bonk, B.S.B.A., Northwestern University, 1947.
- John Robert Boobar, B.S.B.A., Boston University, 1958.
- David Charles Borck, B.S.I.E., Northwestern University, 1966.
- Ronald William Borkowski, B.S., University of Illinois, 1963.
- James William Bratkovich, A.B., Wheaton College, 1969.
- Raymond Robert Bray, Jr., B.S., Southern Illinois University, 1966.
- Arthur Jonathan Brown, A.B., Lincoln University, 1969.
- Richard William Brown, B.A., Syracuse University, 1967.
- Roger Horace Brown, B.S.B.A., Northwestern University, 1965.
- Sandra Lee Brown, B.S.B.A., Northwestern University, 1965.
- Sherman William Brown III, A.B., Knox College, 1962.
- Gerard Joseph Brunner, B.S., Loyola University, 1966; M.S., De Paul University, 1968.
- Joseph Thomas Brusherd, Jr., B.S., University of Illinois, 1959.
- Michael Paul Bryk, B.S.B.A., Northwestern University, 1970.
- Bruce Peter Burba, B.A. Applied Science, Lehigh University, 1966; B.S., 1967.
- Larry Joseph Burger, B.S.E., University of Michigan, 1968.
- Robert Jay Burnstein, B.B.A., University of Texas, 1969.
- David Herbert Busse, B.A., Valparaiso University, 1963.
- Bruce Paul Callahan, B.B.A., University of Notre Dame, 1970.
- Richard Maurice Carrigan, Jr., B.B.A., University of Notre Dame, 1968.
- John Patrick Cassidy, B.S., Iowa State University, 1966.
- John Dennis Casty, B.A., Loyola University, 1964.
- Robert Tak-Fun Choy, A.B., Western Reserve University, 1967.
- Howard Lawrence Chynsky, B.A., Brooklyn College, 1969.
- *Robert Alan Clark, B.S., Northwestern University, 1969.
- Walter Stryker Clayton III, B.S., Oregon State University, 1967.
- Loring Henson Click, B.S.B.A., University of Tennessee, 1950.
- John Charles Coble, B.S.B.A., University of Missouri, 1964.
- Michael Arthur Codol, B.A., University of Pittsburgh, 1969.
- Gary Steven Cohen, B.S., Miami University, 1964.
- Sheldon Cohen, B.A. (Bachelor of Architecture), University of Illinois, 1961.
- Richard Hallowell Connor, B.S.B.A., Northwestern University, 1968.
- John Graham Corliss, B.S.I.E., University of Illinois, 1959.
- Thomas George Cornell, A.B., Cornell University, 1969.
- Karen Elizabeth Corwin, A.B., (L.A.S.), University of Illinois, 1969.
- James William Courtney, Jr., B.S., Western Illinois University, 1958.
- Jean-Michel Georges Cousin, H.E.C., Ecole des Hautes Etudes Commerciales, Jouy-en-Josas, France, 1967.
- John Philip Cronin, B.B.A., University of Notre Dame, 1970.
- Frank Joseph Csar, B.S.B.A., Georgetown University, 1968.
- *John J. Curran, B.S.C., De Paul University, 1960.

*With distinction

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Jack A. Cwaygel, B.S.B.A., Northwestern University, 1948.
- * Ronald Richard Czecholinski, B.S.E.E., University of Wisconsin, 1966.
- Daniel Edward Czernik, B.S.M.E., University of Illinois, 1959.
- James Earl Dacy, B.S.B.A., Roosevelt University, 1967.
- Larry Gene Darlington, B.A., Ohio Wesleyan University, 1963.
- Bryson Forrest Datt, B.S.E.E., Bucknell University, 1969.
- * Wesley Smith Davis, Jr., A.B., Duke University, 1969.
- Gérard Henri Debrinay, E.S.C., Ecole Supérieure de Commerce et d'Administration, Marseilles, France, 1969.
- Robert Donald Dexheimer III, B.A., North Central College, 1965.
- Carl Lynn Dick, B.A., Wabash College, 1966.
- Michael David Dinitz, B.S., University of Illinois, 1967.
- John Victor Dixon, B.S.I.E., Northwestern University, 1965.
- Judith Dee Domkowski, B.S., Indiana University, 1970.
- * Robert Francis Duermit, B.S.E.E., University of Cincinnati, 1963.
- Robert Carlton Edmondson, B.S., University of Redlands, 1955.
- Lawrence Francis Edwards, B.S.E.E., University of Illinois, 1965.
- Fred Charles Eichmann, B.S.B.A., Northwestern University, 1965.
- Ronald Lorne Ellerbeck, B.S., University of Illinois, 1962.
- * Steven Graham Elliott, B.B.A., University of Houston, 1970.
- Michael B. Estabrooks, B.S.F.S., Georgetown University, 1969.
- Alvin Lane Evans, B.S., Oregon State University, 1961.
- Richard Lee Evans, B.S., Indiana University, 1969.
- Donald Martin Fahey, B.S., Marquette University, 1967.
- Charles Joseph Fava, B.S., University of Maryland, 1967.
- James Kauffman Fehr, B.S., Pennsylvania State University, 1970.
- * Dale Francis Flaherty, B.E.E., Marquette University, 1962.
- Myron Thomas Fleming, Jr., B.S., U.S. Naval Academy, 1962.
- Michael Thomas Flynn, B.S. in Economics, University of Pennsylvania, 1970.
- Dakila Beltran Fonacier, B.S.B.A., University of Philippines, 1966.
- * David Charles Forell, B.S.B.A., Northwestern University, 1970.
- Douglas Brian Fox, B.S.B.A., Northwestern University, 1969.
- Roderick Edward Francis, B.S., Loyola University, 1969.
- Charles Edward Frank, A.B., Washington University, 1969.
- Dale Alan Frank, A.B., Wheaton College, 1969.
- John Terrence Franke, B.A., Lawrence University, 1968.
- * Bruce Davidson Fraser, B.S.B.A., Northwestern University, 1969.
- Paul Robert Frey, B.S., Miami University, 1970.
- Michael Jay Friduss, B.S.I.E., Illinois Institute of Technology, 1964.
- Marvin Dale Fritz, Jr., B.S., University of Utah, 1970.
- David Mineo Fujii, B.S., University of Illinois, 1963.
- Jay Herbert Fyic, B.S., University of Illinois, 1970.
- Yogesh Gandhi, B.S., Birla Institute of Technology, India, 1966; M.S., Illinois Institute of Technology, 1968.
- Amando Pagsanghan Gaspar, B.S.M.E., Mapua Institute of Technology, The Philippines, 1963; M.A. in Economics, The University of the East, The Philippines, 1968.
- Jerome Paul Gaudreault, Sr., B.S.B.A., The Creighton University, 1959.
- Suzanne Mitton Gazdzik, B.S.B.A., Northwestern University, 1970.
- Edward Stephen Geoffroy, B.S.E.E., Illinois Institute of Technology, 1964.
- Philip Thomas Georgen, B.S.E.E., Illinois Institute of Technology, 1966.
- Cornelius Gary Gerst, B.S.M.E., Duke University, 1961.
- Robert Alan Gibson, B.S. in Education, Illinois State University, 1953.
- Richard Edwin Gilbertson, B.S.B.A., Northwestern University, 1965.
- Martin Gerald Gold, B.S.B.A., Creighton University, 1970.
- Richard Mark Goldblatt, B.A., Wabash College, 1969.
- Dennis Gene Grabow, B.A., Carthage College, 1968.
- Sheldon Grad, B.S., University of Illinois, 1970.
- John Richard Grandstaff, B.A., Indiana University, 1970

* *With distinction*

NORTHWESTERN UNIVERSITY

- John Dale Greene, B.S., Oregon State University, 1964.
 William Edward Gregor, B.S.B.A., Duquesne University, 1970.
 John Frederick Haferbecker, B.B.A., University of Wisconsin 1963.
 Carl Theodore Haller III, B.S.M.E., Northwestern University, 1966.
 Arnold Leon Hansmann, B.S., University of Nevada, 1966.
 David George Hansen, A.B., Wheaton College, 1963.
 Robert Philip Hanssen, A.B., Knox College, 1966.
 Robert Andrew Hastings, A.B., College of the Holy Cross, 1965.
 *Robert McMillion Hayes III, B.S., Northwestern University, 1965.
 Peggy Lou Hays, B.A., Muskingum College, 1965.
 William Justin Hennessey, Ph.B., Northwestern University, 1969.
 William Alon Hermann, B.S.C.E., Northwestern University, 1968.
 Ronald Arthur Hess, B.S., Purdue University, 1970.
 Robert Neil Hettrick, B.S.E.E., University of Cincinnati, 1953.
 Henry Cody Higginbottom III, B.A., University of Pittsburgh, 1969.
 John Teich Hill, B.S.C.E., Illinois Institute of Technology, 1964.
 Robert Daniel Hill, B.B.A., University of Wisconsin, 1967.
 David Arnold Hoak, B.B.A., University of Iowa, 1968.
 Wellman Woodrow Hoff, Jr., B.S. in Commerce, University of Virginia, 1970.
 Gerald Leon Hoffman, B.A., Beloit College, 1969.
 Randolph Holmes, Jr., B.S.B.A., Drexel Institute of Technology, 1970.
 John Marvin Hood, B.B.A., University of Texas, 1950.
 Charles Henry Houston, B.B.A., Baylor University, 1969.
 Michael Edward Howland, A.B., Lafayette College, 1969.
 Toyohiko Ida, B.A., Keio University, Japan, 1965.
 Junsuke Ikegame, B.C., Hitotsubashi University, Japan, 1959.
 Richard Allen Ingram, B.S., Purdue University, 1968.
 *Bo Järnstedt, Jr., F.P.M., University of Lund, Sweden, 1969.
 Roy Soren Jespersen, B.S., Brigham Young University, 1968.
 James Arthur Johnson, B.S.B.A., Loyola University, 1966.
 Neil Henry Johnson, B.A., Northwestern University, 1969.
 James Wesley Johnston, B.S., University of Illinois, 1966.
 John William Kaiser, Jr., B.S.C., De Paul University, 1964.
 Richard Foreman Karger, B.A., Colorado College, 1969.
 Algis Kazimieras Kazlauskas, B.M.E., Melbourne University, Australia, 1963.
 James Edward Kelly, B.S.B.A., Washington University, 1970.
 William Patrick Kelly, B.A., University of Notre Dame, 1968.
 Roger William Kemps, B.S.E.E., Illinois Institute of Technology, 1966.
 Willard M. Kerr, B.S.B.A., Northwestern University, 1966.
 Douglas Everett Kesatie, B.S., Ohio State University, 1966.
 Jerome Wallace Kessel, B.S.I.E., Purdue University, 1961.
 John Edgar Kidde, B.A., Stanford University, 1968.
 Kimiaki Kimura, B.A., Carthage College, 1968.
 Arthur Allinson King, B.S., Illinois Wesleyan University, 1960.
 Charles Eugene King, B.A., Southwestern College, 1968.
 Warren John King, B.S.M.E., University of Wisconsin, 1968.
 Robert Lochhead Kingman, B.S.Ch.E., Drexel Institute of Technology, 1958.
 Henry Michael Klein, Jr., B.S.M.E., Purdue University, 1966.
 Joseph Anthony Klodzinski, B.B.A., Loyola University, 1964; M.Ed., Boston University, 1968.
 Donald Charles Klug, B.S.E.E., University of Illinois, 1966.
 Richard Donald Knott, B.S.B.A., Northwestern University, 1962.
 Richard Grier Koester, B.S.B.A., University of Richmond, 1970.
 Jeffrey William Kolb, B.S.B.A., Northwestern University, 1970.
 Daniel Leonard Krez, B.S., Cornell University, 1965; M.E., 1966.
 Jim Ken Kunitz, Engineer of Mines, Colorado School of Mines, 1965.
 Bernard Basil Kutchinski, B.S., Michigan State University, 1964.
 *Theodore Robert Kuyper, B.A., Elmhurst College, 1967.
 Donna Christine Kuzelka, B.A., University of Oregon, 1970.
 Terence Wayne La Baw, A.B., Rutgers University, 1965.

*With distinction

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Michael Henry La Fruit, B.S.E.E., Valparaiso University, 1966.
 Arthur William Lambertus, B.S., Northwestern University, 1969.
 Jerry Gordon Langley, B.S., University of Illinois, 1969.
 Leonard Kay Larsen, B.S.B.A., Northwestern University, 1949.
 Roger Alan Larson, B.S., University of Illinois, 1965.
 Dennis Daniel Leatherman, B.S.Ch.E., University of Colorado, 1966.
 Philip McKelvey Leigh, B.B.A., Little Rock University, 1970.
 Joseph Peter Lewand, B.B.A., Loyola University, 1964.
 Anthony Francis Licata, B.S.B.A., Villanova University, 1970.
 Robert Ligerot, E.S.C., Ecole Supérieure de Commerce de Lyon, France, 1966;
 I.E.P., Institut d'Études Politiques de Grenoble, France, 1968.
 Charles Return Lincoln, A.B., Whitman College, 1966.
 Gerald Loebman, B.S.I.E., Illinois Institute of Technology, 1950.
 Mary Glenn Watson Logelin, B.A., Carleton College, 1966.
 Larry Jon Lokken, B.S.B., University of Minnesota, 1966.
 *Michael Eugene Lowey, B.S.M.E., Purdue University, 1969.
 Douglas DeShon Lyons, B.A., Principia College, 1969.
 Sallie Ann Mack, B.S.B.A., Ohio State University, 1969.
 Jay Ronald Mackey, B.S., Montana State University, 1969.
 Jeffrey Michael Madura, B.A., University of Notre Dame, 1967.
 William Joseph Malloy, B.S. in Finance, University of Illinois, 1970.
 Walter Ashley Manning, Jr., B.S., San Diego State College, 1967.
 Robert Martin Marko, B.S., Rensselaer Polytechnic Institute, 1968.
 Russell George Maughan, B. of Commerce, University of Melbourne, Australia,
 1966.
 Robert Gale May, B.A., Michigan State University, 1970.
 Paul Henry Mayer, B.M.E., University of Dayton, 1960.
 Joseph Byrne McCarthy, Jr., B.S., University of Illinois, 1965.
 Craig Walpole McCoy, B.S., Lehigh University, 1967.
 *Clifford Lawrence McKinney, B.S., Stanford University, 1961.
 John Francis McKinney, B.S.C., Spring Hill College, 1968.
 Donald Maurice McMahon, B.B.A., Loyola University, 1968.
 James Michael McMahon, B.S. (L.A.S.), University of Illinois, 1969.
 Ujjwal Janardan Mehta, B.E., M.S. University of Baroda, India, 1966; M.S.I.E.,
 Illinois Institute of Technology, 1968.
 Prisco Cruz Mendoza, B.S.B.A., Luzon Colleges, Philippines, 1961.
 James Dale Michels, B.A., Knox College, 1964.
 Peter Creighton Miehl, B.S., Union College, 1967.
 Allan S. Miller, B.S.B.A., Northwestern University, 1970.
 Ronald Wayne Miller, B.A., University of North Carolina, 1968.
 Sandra Hill Miller, B.A., Howard University, 1968.
 Kenneth John Moller, B.S.C.E., Illinois Institute of Technology, 1965.
 Noboru Mori, B.C., Hototsubashi University, Japan, 1967.
 John Landeen Muller, B.S.M.E., Northwestern University, 1960.
 Kenneth John Musil, B.S. in Finance, University of Illinois, 1969.
 Bernard F. Myszkowski, B.S.C., De Paul University, 1967.
 Keith Isamu Nakamoto, B.S.B.A., Northwestern University, 1970.
 *Charles George Nevaril, B.S., Northwestern University, 1963; Ph.D., Rice University,
 1967.
 Larry August Newman, B.S., University of Illinois, 1967.
 Samuel Joseph Nichols, B.S., Western Illinois University, 1963.
 Robert William Nickelson, B.S.M.E., Iowa State University, 1955.
 *Thomas Alan Nickles, B.S.B.A., Northwestern University, 1967.
 *William Lee Nicks III, B.S., Texas A & M University, 1967.
 Henry Anthony Nodes, Jr., B.B.A., Milton College, 1967.
 Robert Scott Norris, B.S. in Economics, University of Pennsylvania, 1970.
 Patrick William Nuss, B.S., De Paul University, 1967.
 Kenneth John Nykiel, B.B.A., Loyola University, 1963.
 *Gary Robert O'Neal, B.S., University of Kansas, 1969.
 William Arthur Palmer, B.S.I.E., North Dakota State University, 1966.
 George Thomas Pappas, B.A., Yale University, 1966.

*With distinction

NORTHWESTERN UNIVERSITY

- Frederick John Parker, B.S.M.E., Northwestern University, 1966.
 Michael Arthur Patt, A.B., Augustana College, 1969.
 Joseph Michael Payte, B.B.A., University of Oklahoma, 1969.
 *David Eugene Pease, B.E., State University of New York at Stony Brook, 1966.
 Seymour Perkins III, B.S. and B.S.E., Trinity College, 1966.
 David Earl Perritt, B.S., California Institute of Technology, 1967.
 John Douglas Peterson, B.B.A., Western Illinois University, 1967.
 Reginald John Peterson, B.S.B.A., University of South Dakota, 1970.
 Vincent Henri Petrini-Poli, Civil Engineer, Paris University, Ecole Speciale des Travaux Publics, France, 1963.
 Peter Allyn Piper, B.S.B.A., Northwestern University, 1965.
 Donald Alan Plum, B.S., Arizona State University, 1970.
 David Scott Plummer, B.S.C.E., University of Arizona, 1962.
 Gary Lyn Poleskey, B.S., University of Illinois, 1970.
 Robert William Powers, B.S., University of Notre Dame, 1965.
 David Francis Prindable, B.S., University of Illinois, 1969.
 Timothy Scott Prosch, B.A., Denison University, 1969.
 Manuel Santiago Puno, B.S.C., Far Eastern University, Philippines, 1961.
 Gonzalo Raffo de Laval, B.S.B.A., Universidad del Pacifico, Peru, 1969.
 Adolph Richard Ranieri, B.S., Illinois Institute of Technology, 1968.
 *James Michael Reddy, B.S.E., Case Institute of Technology, 1966.
 Charles Michael Reese, B.A., Valparaiso University, 1965.
 Winfield Scott Reid, B.S., University of Pennsylvania, 1969.
 James Francis Rice, B.A., Northwestern University, 1968.
 Robert Coulson Rich, B.A., Brigham Young University, 1969.
 Stanley Rivers, B.S.E.E., Ohio State University, 1965.
 Ronald Philander Robinson, B.S., University of North Carolina, 1968.
 Jaime Rodoreda, B.A., Universidad Iberoamericana, Mexico, 1969.
 Claris Wade Roemke, B.A., Valparaiso University, 1963.
 Christopher Jay Rose, A.B., University of Michigan, 1969.
 James Michael Rubenstein, B.S., Illinois Institute of Technology, 1968.
 *G. Richard Russell, B.S., University of Nebraska, 1969.
 *Roger Franklin Ruttenberg, A.B., University of Pennsylvania, 1966.
 Paul Ballard Sabine, B.A., DePauw University, 1960.
 Ronald Joseph Sanderson, B.S., Northwestern University, 1969.
 Rajender Kumar Sanghi, B.S., University of Jodhpur, India, 1965; M.S., Illinois Institute of Technology, 1967.
 James Heseltine Scheef, B.S., Michigan State University, 1968.
 Walter Gottlob Schmid, B.S.C.E., University of Wisconsin, 1966.
 *Todd William Schmidt, B.S., Northwestern University, 1965.
 William Max Schmidt, B.S. in Economics, University of Pennsylvania, 1969.
 Charles Peter Schmitt, B.S., University of Wyoming, 1963.
 John Brewster Schmuck, B.S.M.E., Tufts University, 1963.
 Paul Albert Schneider, B.A., B.S., Bucknell University, 1957.
 Philip Jay Schneider, B.S., University of Illinois, 1969.
 Fredrik C.C. Schokking, Lic.Oec., St. Gall School of Business & Public Administration, Switzerland, 1969.
 Donald Edward Schultz, B.S., Purdue University, 1951.
 Paul Schulze III, B.S., Northwestern University, 1950.
 Frank Richard Schwanke, Jr., B.B.A., Loyola University, 1967.
 John Howard Senseman, B.S., Case Institute of Technology, 1965.
 John Marin Sergeant, B.S.M.E., Purdue University, 1964.
 Randall Shaf, B.A., Northwestern University, 1969.
 Allan Martin Shapiro, B.S.E.E., University of Maryland, 1964.
 John Leland Shaw, Jr., B.A., Shimer College, 1967.
 David Harold Sherman, A.B. (L.A.S.), University of Illinois, 1969.
 Jack Rexford Simmons, B.B.A., University of Wisconsin, 1966.
 Ram Pratap Singh, B.Sc., Benaras Hindu University, India, 1962; M.S., Illinois Institute of Technology, 1965.
 Paul Richard Skubic, B.B.A., University of New Mexico, 1970.
 Pamela Marie Slechts, B.S., University of Illinois, 1970.
 Henry Bryant Smith, A.B., Lafayette College, 1969.

*With distinction

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- *Irvin Darrow Smith, B.S., University of Illinois, 1955; M.S., 1957; Ph.D., University of Wisconsin, 1959.
- Marc Champney Smith, B.A., Baldwin-Wallace College, 1969.
- Wim A. J. Smits van Waesberghe, Cang. Econ., University of Tillburg, Netherlands, 1968.
- Kurt Smith Starbuck, B.S., Indiana University, 1968.
- Bruce John Stensrud, B.B.A., University of Oklahoma, 1970.
- Robert Wayne Stephens, B.S.E.E., Illinois Institute of Technology, 1962; M.S.E.E., 1965.
- Richard Lawrence Stern, B.S., University of Oregon, 1970.
- Glenn Steele Storino, A.B.J., University of Georgia, 1966.
- William M. Strickland, B.B.A., University of Wisconsin, 1956.
- Martin Joel Suffield, B.S., University of Illinois, 1965.
- Edwin Chester Swiatlo, B.S., De Paul University, 1953.
- Robert James Syrup, B.S., Northwestern University, 1961.
- John Francis Szklarski, B.B.A., Loyola University, 1970.
- Jack Amberson Tacchino, B.S., Fresno State College, 1970.
- Michael Joseph Takacs, B.S. in Bus. Acct., Indiana University, 1968.
- Siong San Tan, Bachelor of Accountancy, Singapore Polytechnic, 1969.
- David Bradley Tegart, B.A., Beloit College, 1967.
- Charles Girardin Thom, B.S.C.E., Michigan College of Mining and Technology, 1964.
- George Frederick Thornes, B.S., University of Illinois, 1962.
- William Hayes Thornton, B.B.A., University of Iowa, 1970.
- Thomas Francis Tobin, Jr., B.A., University of Buffalo, 1965; M.S., Canisius College, 1968.
- Charles Everett Transgrud, B.S., University of North Dakota, 1960.
- Tallman Harlow Trask III, A.B., Occidental College, 1969.
- Charles Walton Tromblee, B.S.E.E., University of Illinois, 1964; M.S.E.E., 1965.
- Steven Alan Vajda, B.S.E.E., Purdue University, 1965.
- Arturo Eduardo Villaseñor Rojas, B.S., National Autonomous University of Mexico, 1969.
- Joseph Francis Voissem, B.E.E., Marquette University, 1966.
- Lewis James Walker, B.S.F.S., Georgetown University, 1960.
- *John Hyden Waller, B.S., University of Oklahoma, 1961.
- William Gerald Walter, B.A., Loras College, 1968.
- John Joseph Warren, B.A., Northwestern University, 1968.
- David Charles Watt, B.S.B.A., Northwestern University, 1968.
- Alan Jay Weber, B.S. in Economics, University of Pennsylvania, 1970.
- John David Weil, A.B. (L.A.S.) University of Illinois, 1969.
- *Stephan Fredrick Weiss, B.S. in Commerce, Washington and Lee University, 1970.
- Jeffrey Lee Werle, B.S.I.E., University of Illinois, 1968.
- William Wilton Whitfield, B.B.A., University of Georgia, 1965.
- David Wesley Willard, B.B.A., University of Michigan, 1970.
- *Timothy Alan Wille, B.S.B.A., Northwestern University, 1970.
- Brent David Wilson, B.A., Weber State College, 1969.
- *Walter Wilson, B.S.I.E., Northwestern University, 1961.
- Glenn Earl Wolf, B.S.B.A., Washington University, 1968.
- Richard Edward Wright, B.S.C.E., Howard University, 1969.
- Michael Hart Wurzburg, B.A., Miami University, 1969.
- Hisham Saadi Yassin, B.S., Illinois Institute of Technology, 1968.
- Tohru Yoshida, B.S., Keio University, Japan, 1968.
- Frank Harold Young, B.S., University of Colorado, 1970.
- Bomi Manchershaw Zarolia, B.S.E.E., Walchand College of Engineering, India, 1965; B.S.M.E., 1966; M.S.M.E., Tennessee Technological University, 1968.
- *James Randall Zilka, B.S., Northwestern University, 1969.
- Dennis Charles Zintak, B.S.M.E., Illinois Institute of Technology, 1962.
- Richard Jan Zumbrennen, B.A., Brigham Young University, 1969.
- *Robert Lowell Zumstein, B.S., University of Illinois, 1967.

*With distinction

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Robert William Fink

Jay Sheldon Meystel

BACHELOR OF BUSINESS ADMINISTRATION

Robert James Adams, Jr.
 Walter Thomas Alexander
 Chester Wayne Anderson
 Gene Leonard Anderson
 William Robert Andro
 Eldon Jay Appling
 Karen Nieman Baker
 Mary Teresa Barrett
 Edward Joseph Bednarz
 Donald Charles Bell
 Gordon Charles Beyer
 William Nicholas Bockay
 Randall Charles Branham
 David Luther Brodess
 Steven Richard Brody
 Richard Carpenter
 Lauren Charles Choutka
 Leonard Lewis Cohen
 Morris David Cohen
 David John Collins
 Patrick Joseph Conran
 Anthony Bon Cooperider
 Richard Wayne Cushing
 John Patrick Daley
 Wilbur Richard Daw
 Dale Rodger Deming
 Michael John Downes
 Lynn Carl Ehrhardt
 Otto F. Eislefeld
 William J. S. Ellis
 Arthur William Engle, Jr.
 Arthur Edward Ennis
 Gerald Francis Fair
 Marc Harold Fixler
 Adolph Bearden Flakes
 James Herman Garbrecht
 Richard Carl Gehrke
 Edward Walter Geiger
 Thomas William Georgas
 Joseph Anthony Getto
 Robert John Gill
 Eugene Theodore Golemo
 Donald LaVerne Gottschalk
 Albert Lawrence Goy
 Anthony Greco
 Norman Upton Hall
 Donald Chester Heller
 John Charles Hendricks
 William Donald Hess
 Donald Lewis Higley
 Robert Francis Hilliard
 Lawrence Charles Hodapp, Jr.
 Richard Arthur Hoenecke
 Thomas Lee Hogan

Harold Frederick Hogrefe
 John Wesley Hooper
 Robert David Horner
 Allen John Hubicek
 Albert Victor Jede
 John Jelen
 JoAnne Jolicoeur
 Theodore Dean Jones
 Jack Norman Jordal
 Ronald Anton Jordan
 Thomas Martin Kabala
 Lawrence Frank Kalkstein
 Alfred George Kloss
 Raymond Edward Klouda
 Anthony Allan Kosek
 James Walter Krass
 Richard J. Leghorn
 John Edward Lewis
 Edmund E. Liske
 Thomas Ferguson Locke, Jr.
 Minna Asta Loechell
 Raymond Charles Loess
 Jack W. Magness
 Andre Michel-Charles Manfredi
 Steven Arthur Marx
 Milford Benjamin Cecil Maxwell
 Stanley Robert Mehaffey
 John Peter Merenkov
 Madeline Mary Miehlch
 Walter George Miranda
 Harold Mui
 John Leonard Nicoll
 Andrew Joseph Nowakowski
 James Joseph O'Hara
 Marshall William Olson, Jr.
 Thomas Joseph Oslovich
 Donald Cornelius Owen
 Wendell Warren Palmer
 Peter Nikolas Panos
 James Richard Perkins
 Judith Ann Pierpont
 David Edward Powers, Jr.
 Daniel Gerald Prisble
 Ronald Wayne Rasmussen
 Larry Wayne Robey
 Walter Adolph Roman
 Herman Fredrick Wilhelm Rowe
 William Donald Rumsfield
 Reynold Edward Salmi
 Roger Harold Samuelson
 Roy Anthony Santino
 Michael M. Scanlan
 Richard Edward Schacht
 Donald Edward Schlegel

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Albert Charles Schmidt
David Lee Schram
Robert Francis Scott
Russell Owen Scott
Van Peter Seveska
William Lloyd Seymour
Stanley James Sharman, Jr.
Glenn Earl Skinner, Jr.
Benjamin Thomas Smith
Robert Rocco Sofka
Richard Paul Sommers
Teddy Gene Staley
Gerald Joseph Stehlik
Dennis Dee Stewart
Donald Russell Stites
Richard Webster Stones

Virginia Mary Stuber
Edward Frank Syrup
Steven Robert Szekely
Glenn Alan Thompson
Joseph Matthew Tijan
Spencer J. Traver
Francis Wesley Trimble
James Arthur Varney
Nils Raymond Vetra
Frances Joy Vincent
Victor Edward Vogel
Konrad Hermann Vollrath
Wolfgang Rudi Wagner
Edward Robert Walz
Delbert Ray Washburn
Leonard Israel Wilson

THE MEDILL SCHOOL OF JOURNALISM

Candidates presented by DEAN I. W. COLE

MASTER OF SCIENCE IN JOURNALISM

Kurt David Baer, B.A., Lawrence University, 1970.
Dianne Sue Baron, B.S., University of Florida, 1970.
Eric Lee Bloom, B.A., University of Wisconsin, 1970.
Stephen Michael Bowell, B.S.J., Northwestern University, 1970.
Roger Carl Boye, B.A., University of Nebraska, 1970.
Charles John Busta, B.S., University of Dayton, 1970.
Stephen Robert Byers, B.A., Indiana State University, 1970.
Christopher Shaner Cain, B.A., Hiram College, 1968.
Catherine Jane Calvert, B.A., College of William and Mary, 1969.
Evan Alan Cooper, B.B.A., Bernard M. Baruch College, 1970.
Donna Jean Cousins, B.A., Northwestern University, 1970.
David Wesley Creed, B.A., Wesleyan University, 1962.
Josephine Elizabeth Cullnane, B.A., Purdue University, 1970.
Patricia Ann Davis, B.S., University of Illinois, 1969.
Michael John Dembeck, A.B., University of Notre Dame, 1969.
Thomas Dana Denton, B.A., Baylor University, 1968.
Barbara Sue Dillard B.S., Ball State University, 1969.
Kathryn Louise Dollahan, B.S.J., Northwestern University, 1970.
Ellen Harmeier Dreyer, B.A., Rosary College, 1970.
Kevin James Dunn, A.B., Middlebury College, 1970.
Richard Stuart Edwards, B.A., Oberlin College, 1969.
John Langley Eliot, B.S.J., Northwestern University, 1970.
Karen Jane Enquist, B.S.J., Northwestern University, 1970.
Millicent Brown Fauntleroy, B.S.J., Northwestern University, 1970.
Richard Alexander Fleming, Diploma in Journalism, Ryerson Polytechnical Institute, 1970.
Margaret Eileen Gardner, B.A., Northwestern University, 1970.
Susan Salls Gilmore, B.A., Washington University, 1970.
James Carl Glab, B.A., Columbia University, 1970.
David Alan Gollust, B.A., Ohio State University, 1969.
Rochelle Marcia Gollust, B.A., Ohio University, 1969.
Kathy Jane Gosliner, B.A., Vassar College, 1969.

NORTHWESTERN UNIVERSITY

John Paul Gottschalk, B.A., De Paul University, 1969.
 David Dietrich Gruen, B.A., Syracuse University, 1970.
 Michael Myron Gruskin, A.B., University of Illinois, 1969.
 Ralph T. Hanson, B.S., University of Wyoming, 1965.
 Roy Jay Harris, Jr., B.S.J., Northwestern University, 1968.
 Barbara Lou Harrison, B.A., Western Michigan University, 1968.
 Evelyn Clarkson Haskell, B.A., Northwestern University, 1970.
 Stephen Lee Hayman, B.S., Arizona State University, 1969.
 Linda Kay Henderson, B.A., Illinois Wesleyan University, 1970.
 Norman Charles Hoffberg, B.S.J., Ohio University, 1969.
 Richard Saul Hollander, B.A., Johns Hopkins University, 1970.
 Claudia Susan Horthy, B.S.J., Northwestern University, 1970.
 Linda Louise Hudson, A.B., San Diego State College, 1970.
 John Davidson Hughes, Jr., B.A., Dartmouth College, 1970.
 Christian Robert Isely IV, B.A., Lawrence University, 1966.
 Thomas Malcolm James, B.A., Washington State University, 1970.
 Kellugudi Sambamdorothy Jayaraman, Ph.D., University of Maryland, 1968.
 James Elwin Jolliffe, B.B.A., University of Iowa, 1969.
 Sherry Lynn Jones, B.A., University of Oklahoma, 1970.
 Gerald Bernard Jordan, B.A., University of Arkansas, 1970.
 William Bird Joyce, A.B., Illinois Wesleyan University, 1966.
 Robert William Kasper, B.A., University of Kansas, 1970.
 Charles Bernard Kelly, Jr., A.B., Creighton University, 1968.
 Cynthia Grace Kirk, B.S.J., Northwestern University, 1970.
 Carol D'Amico Kroot, B.A., University of Michigan, 1967.
 Kathleen Ann Kull, B.S.J., Northwestern University, 1970.
 Ronnie Jill Kweller, B.S., Cornell University, 1969.
 Mary Cathryn Leonard, B.A., DePauw University, 1970.
 Philip Mark Lewenstein, B.A., University of Minnesota, 1970.
 Jack Allen Linn, B.S.J., Northwestern University, 1970.
 Vicki Sue Loveness, B.S., Northwestern University, 1970.
 Linda Ruth Loyd, B.S.J., University of Kansas, 1970.
 Donald McAllister, Jr., B.A., Lehigh University, 1970.
 Robert Joseph McClory, B.A., St. Mary of the Lake Seminary, 1954; M.A., 1956;
 S.T.L., 1958.
 Ellen Margaret McGinty, A.B., University of California, 1968.
 Maureen Anne McNally, B.A., Edgewood College, 1969.
 Lawrence Dennis Maloney, B.A., University of Notre Dame, 1968.
 Bradley Palmer Marano, B.A., University of Wisconsin, 1969.
 John Anthony Marino, B.A., De Paul University, 1965.
 George Raymond Richard Martin, B.S.J., Northwestern University, 1970.
 Donna Rosene Marx, B.S.J., Northwestern University, 1970.
 Carol Boyer Mathers, B.S.J., Northwestern University, 1967.
 William Philip Mayr, B.A., DePauw University, 1970.
 Robert Gregory Miller, B.S.J., Northwestern University, 1970.
 Kevin Michael Moore, B.S.J., Northwestern University, 1968.
 Joel VanDerveer Nilsson, B.A., University of Illinois, 1967.
 Tobi Elizabeth Nyberg, B.S.J., Northwestern University, 1970.
 Geneva Overholser, B.A., Wellesley College, 1970.
 Tom Passavant, B.S., Miami University, 1970.
 James Frank Patcha, B.A., University of Illinois, 1968.
 Richard Arthur Quackenbush, B.A., University of Michigan, 1970.
 Cary Steven Reich, B.A., Brooklyn College, 1970.
 Alan Arthur Reiter, B.A., Brooklyn College, 1970.
 Larry Philip Rima, B.A., Ohio State University, 1969.
 Elizabeth Margaret Rogoz, B.A., Northwestern University, 1970.
 David Graham Ross, B.A., University of Kansas, 1969.
 Allen Griff Rubens, B.A., University of Wisconsin, 1969.
 Arnold Perry Rubin, B.A., Hunter College, 1969.
 Judith Rubin, B.A., City University of New York, 1968.
 Susan Aileen Schatzman, B.A., University of Missouri, 1970.
 Darlene Marie Schmalzried, B.S.J., Northwestern University, 1970.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Krista Schmidt, B.A., University of California, 1970.
 William Otway Shearer, B.A., University of Miami, 1970.
 Hellen Augusta Smejda, B.A., De Paul University, 1970.
 William Edward Smith, B.S.J., Northwestern University, 1970.
 Ellen Soo Hoo, B.A., University of California, 1969.
 Carol Marie Spurgat, B.S.J., Northwestern University, 1968.
 James Gregory Staas, B.A., University of Illinois, 1970.
 Arthur Reid Stephenson, B.S., Northwestern University, 1968.
 Robert William Steyer, B.A., Oberlin College, 1970.
 Mary Locke Swanton, B.S.J., Northwestern University, 1970.
 Charles Edward Thompson, Jr., B.A., Drake University, 1970.
 Walter Bradford Todd, B.S., University of Florida, 1970.
 Elaine Roseanne Tozzi, B.A., College of St. Francis, 1965.
 Melvin Norikazu Tsuji, Diploma in Journalism, Ryerson Polytechnical Institute, 1968.
 Todd Brian Van Slyke, B.S.J., Northwestern University, 1970.
 Raakel Anneli Vesanen, B.S.J., Northwestern University, 1970.
 Edward Hodge Vick, Jr., A.B., University of North Carolina, 1966.
 Steven James Vogel, B.A., Illinois Wesleyan University, 1968.
 Thomas Richard Von Malder, B.S.J., Northwestern University, 1970.
 Kimber Allen Vought, B.S.J., Northwestern University, 1970.
 Frances Ann Walsh, B.A., Emory University, 1970.
 Alan Harley Weisman, B.A., Northwestern University, 1969.
 James Kenneth Williams, B.A., Creighton University, 1968.
 Barbara Janet Winn, A.B., Hollins College, 1967.
 Richard Yau Kwan Wong, LL.B., National Cheng Cho University, 1963; B.J., Carleton University, 1967.
 Suzane Ethel Wood, A.B., Marshall University, 1970.

BACHELOR OF SCIENCE IN JOURNALISM

Christine Mary Anison	Jeffrey Samuel Greenberger
Craig Ellis Aronoff	Lois Lee Grommes
Lynn Carol Asinof	Philip George Heitz
John Lawrence Atlas	Thomas Jackson Hirsh
Douglas Miles Bartholomew	Linda Johnsen Hoyer
Barbara Ann Bolsen	Alfred Frank Imhoff
Carol Ann Breitzmann	Thomas Wesley Jans
Elliot Harold Brown	Isaac Sidney Jenkins III
Paula Yvette Christopher	Lowell Lohelani Kalapa
Carol Joyce Coffin	Michael Stanley Kaminski
Margery Ellen David	Lois Jeanne Kessler
Lawrence Reginald Dillard	Gregory Allen Kinczewski
Margaret Katherine Dishner	Phyllis Marie Kissel
James David Dobner	Susan Dague Kraus
Linda Susan Doyle	Anne Berry Lechtenberg
Robert Henry Drews	Gail Ellen Lees
Julia Alice Dunham	Stephen Arthur LeMay
John Basil Duka	Daniel Jonah Levinson
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Colleen Ann Fahey	Kathryn Ann Linwood
Fletcher Franklin Farrar, Jr.	Patricia Mei-lin Loui
Barbara Josephine Foeller	Mona Lynn Lowery
Abigail Mary Foerstner	Michael Maggio
William Yee Fong	Kathleen Ann McGarry
Gerald Lyle Frazell	Judith Lynne McIntosh
Gary Wayne Galluzzo	Thomas O'Donnell McSloy
Elaine Irene Gordon	Vicki Johnson Mills
Janice Diane Gordon	Thomas Arthur Moore
William Raymond Grady	Brian Robert Mott
Paul Greenberg	Richard Thorp Moulding
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NORTHWESTERN UNIVERSITY

Laura Marie Murray
Diane Elisabeth North
Timothy Charles Pallesen
Ann Viola Parks
William Jonathan Peck
Barbara Atkinson Perkins
Michael Alan Pollock
Linda Elaine Poverello
Judith Miriam Rapoport
Robert James Rehak
Ann Louise Reiersen
John Alfred Roberts, Jr.
Sheila Kathleen Roche
Sharlene Jeanne Rohter
Joyce Marie Roose
Baran Samuel Rosen
Karen Sue Rothe
Patricia Ann Sagon
Saundra Dee Saperstein
Linda Elizabeth Scaffidi
Carl Robert Schierhorn

Ronald Arthur Schulze
Sara Jane Siegfriedt
John Edward Sloan
Sandra Jean Smith
Gregory Douglas Squires
Stephanie Lois Steiger
Janet Kay Stockard
Frederic Barney Taylor
Bettina Tedesco
Virginia Potts Thiersch
Adrienne Thomas
Madeleine Joan Tolmach
Diane Hangen Vragel
Kathy Sue Wahl
Dana Elaine Whalen
Jeffrey Charles White
Roger Paul Wilson
Richard Henry Witt
Richard Joseph Woldow
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THE SCHOOL OF EDUCATION

Candidates presented by DEAN B. J. CHANDLER

BACHELOR OF SCIENCE IN EDUCATION

Scott Alexander Anderson
Debra Jean Avant
Janet Kathryn Bailey
Mady Baker
Holly Heigerick Beim-Esche
Carol Lynn Bixler
Douglas Paul Borchert
Wydell Boyd
Elaine Louise Brazil
Clinton Bristow, Jr.
Alan Arthur Brix
Thomas Edward Brown
Barbara Ann Brun
Constance Susan Brzozowski
Nona Michelle Burney
Margaret Jane Byers
Jan Canterbury
Candice Lynn Chapello
Gwen Morse Clough
Selma Clyman
Judith Lynn Cohen
Kathleen Louise Crossen
Linnea Annette Danchi
Constance Timar Diamant
Barbara Jean Darrow
Donald James Drozd
Ronald William Drozd
Catherine Emma Edwards
Susan Faith Epstein
Helene Joy Farb

Gregory Anthony Fedyski
David Brooks Field
Sheryl Ann Friend
Leslie Ann Gallagher
Barbara Ann Gentile
Elizabeth Gillet
James Louis Giovannetti
Bobbi Lynn Goldberg
Elizabeth Ann Greene
Gail Lorene Griffiths
Dorothy Jean Harrell
Paula Irene Harris
Robert Lee Hecker
Pamela Ann Higginbotham
Dana Louise Hinze
Jon Arthur Hittman
John Everett Hoerster
Elaine Hrubant
Kristine Marie Jensen
Barbara Wilcox Johnson
Linda Ann Johnson
Pamela Jeanne Johnson
Raymond Anthony Johnson
Georgiana Keracik
Kathryn Anne King
James Price Kizart
Sieglinde Margaretha Kopp
Anne Margareta Kozak
Danny Lawrence Kraft
Kenneth Charles Krajchovich

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Gayle Dorothy Kubit
Sara Ann Lang
Karen Lynn Larsen
Elizabeth Leslie Laux
Belinda Sue Leinoff
Alice Eleanor Levy
Barbara Ellen Levy
Loester Mae Lewis
Susan Darnell Lind
Susan Carole Linderman
Mary Kristin Lund
Dennis Dean Lyons
Leslie Ann Berman Marti
Nancy Elizabeth Martin
Brian Gordon McCartney
Barbara Ann Mindel
Nancy Louise Moore
Janice Carolyn Morris
H. Harvette Nelson
Susan Leslie Netznik
Scott Richard Neuhaus
Wallace Milton Niles
Barbara Kathryn Oaks
Sandra Lynn Pecken
Christine DeBevec Piccuta
Carol Christine Poole
Janet Lee Price
Susan Catey Reichert
Carla Ray Rieck
Susan Gecht Rieser

Ronald Carl Riley
Laura Barber Rill
Kathryn Segog Rowell
Susan Malesh Sampson
Cynthia Diane Schaffer
David Gene Shelbourne
Carole Zaffer Sigalos
Phyllis Laura Simpkins
Mary Frances Sisney
John Thomas Skinner
Jinx Courtney Smith
Joanne Monitto Smith
Julianne Jaworski Smith
Katherine Norine Sniffen
Sheila Joyce Sondler
Alice Case Tredup
Marilou Helen Vlastelica
Virginia Elizabeth Wahlen
Amelia Evelyn Waitches
Robert Wayne Walker
Beth Carol Weitzner
William Nicholas Werner
Arlette Marie Westerman
Daniel Walter White
Jeffrey Leland White
Bonnie Elizabeth Willig
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Susan Genevieve Wolwark
Joseph Daniel Zigulich

THE TECHNOLOGICAL INSTITUTE

Candidates presented by ACTING DEAN DAVID MINTZER

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Steven Craig Arst
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Roger H. Beggs
Samil Beret
Roger Everett Bjork
Patrick Beretta Briley
Robert William Ellwein
Clyde William Everett
Raul G. Gaya-Nigaglioni
Harry Leon Ginsberg

David Michael Gubanc
Miriam Ann Bashore Harper
Richard John Hausman
Burks Oakley II
Eugene Orlando, Jr.
Luz Perdomo de Orozco
Paul Robert Rom
Richard Allen Rosenberg
John C. Sharer

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

S. Michael Corlett
Carl William Eklund
Thomas C. Gavin
Harry Henry Hitzeman, Jr.
Paul Winfield Howell III
Brian Carl Johnson

Barry Leslie Lempert
Stephen Lee Mayberry
Alan Robert Swanson
James Charters Wallace
Carroll William White

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

James Phillip Baker
Peter Scott Baldwin
Michael Ray Bedford
Dale Bliss Carson
Dennis L. DeBruler
Albert Durr Edgar
Dennis James Enright
Charles Allen Fausel
Daniel Joseph Fling
James Pearce Hamley
Robert James Holpuch
Thomas M. Jaskunas
Richard Charles Kazmar
Carl Robert Konkell
George Frederick Kroker

Robert T. Langan
Gary Michael Ledbetter
John Ernest Matz
Kenneth Ferrell McCoy
Douglas Scott Mitchell
Donald A. Peterson
Richard Barton Sanderson
Alvin T. Saunders
Melvin Aaron Schechtman
Karl Robert Stewart
Allen Taflove
Ronald Jordan Taylor
J. Jeffrey van Ee
Robert William Waldele

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Douglas Allen Anderson
Michael Erskine Baker
Barry J. Bolka
William Hunter Bowman, Jr.
Raymond Harding Brown
Vincent P. De Carlo
Steven C. Ethington
William Stephen Funk
John M. Haft
Stephen Ashton Hause
Howard N. Henry
Robert William Hill, Jr.
Kurt Ellis Hoffman
Charles Hamilton Kappauf
George S. Karabis
Joseph C. Kitzinger
Harry Steven Knudson

Timothy Frank Kocian
Lawrence W. Kozimor
George Z. Lannert
Michael J. Levine
James Robert Mac Dougall
Kenneth R. Maeda
Judith Elaine Miller
Ralph Irwin Murphy
Gerald Lee Nudo
William F. Obear III
Curtis S. Peterson
George Winfield Roope III
Jay Douglas Schroeder
James Louis Smith
Gilbert Wakely Sutcliffe
John S. Walters, Jr.

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

William Carey Barrows
Susan Floy Carver
Martin R. Cobb
Graham Richard DeVey
Douglas H. Eckmann
Richard Neil Frisbie
John Lawrence Hall
Glenn Edward Hess
Thomas Robert Hoyt
Richard W. Kirkwood
Anthony Gerhard Koenings
Pedro Lutonadio

Jerry N. Maisner
James G. Nannini
Steven T. Olson
David Michael Poydock
Lyn C. Preuit
Roger Dale Reidelberger
David James Spreutels
William A. Streff, Jr.
Nicholas George Vlahakis
Spencer Keith Williams
Leslie Stephen Wolfe
Neil Jay Zimmerman

BACHELOR OF SCIENCE IN SCIENCE ENGINEERING

Mitchell William Araman
John William Caldwell
Stephen Paul Curtis
Paul Stephen Derks

Keith L. Derstine
Alfred Carl Eckert III
Bruce Royal Gardner

Eugene Glenn Hubing
John Robert Jacobs
Daniel Richard Johnston
Raymond Krauchunas
Thomas G. Mueller
Jan Y. Nakashige
Larry Richard Olson

John P. Schultz
Charles Spurgeon Sharrocks, Jr.
Charles T. Shork
James Louis Thomas
Nicholas A. Valos
Ronald Leon Weinstein

THE GRADUATE SCHOOL

Candidates presented by DEAN ROBERT H. BAKER

DOCTOR OF PHILOSOPHY

- Robert M. Aduddell, B.A., Drake University, 1955. Economics. *The Meat Packing Industry and the Consent Decree: 1920-1956*.
- Donald Milo Alcock, A.B., Princeton University, 1958; M.A., Columbia University, 1960. English. *The World as a Spectacle: The Pictorial Novels of Smollett*.
- Pierre R. Amyot, B.A., University of Montreal, 1955; M.A., 1960; M.A., Northwestern University, 1964. Political Science. *Factors of Integrative Attitudes in French Canada*.
- Lowell Bruce Anderson, B.E.S., The Johns Hopkins University, 1965. Applied Mathematics. *Markov Renewal Theory on the Whole Line*.
- Enrique Alberto Arias, B.M., De Paul University, 1963; M.A., University of Chicago, 1966. Music. *The Masses of Sebastian de Vivanco (ca. 1550-1622): A Study of Polyphonic Settings of the Ordinary in Late Renaissance Spain*.
- Joel Merritt Auble, B.A., Monmouth College, 1965; M.A., Northwestern University, 1967. Philosophy of Education. *Two Concepts of Obligation*.
- Asuncion C. Miteria Austria, B.A., University of the Philippines, 1955; M.A., Columbia University, 1958. Psychology. *Anticipated Dependency and Helping Behavior*.
- James Harold Babler, B.S., Loyola University, 1966. Chemistry. *Synthesis of 1,5-Dienes Via Fragmentation of Alkaneboronates*.
- Betty Louise Baker, B.Ed., Chicago Teachers College, 1961; M.S., 1964. Education. *A Study of the Effects of Student Choice of Learning Activities on Achievement in Ninth Grade Pre-Algebra Mathematics*.
- Harold M. Barger, B.A., Kent State University, 1959; M.A., Northwestern University, 1968. Political Science. *Political Content of Black Newspapers: Chicago and the Nation, 1969-70*.
- Dorab Naoroze Baria, B.Ch.E., University of Bombay (India), 1964; M.S., Northwestern University, 1968. Chemical Engineering. *Reduction of Crotonic Acid on Slurry Electrodes*.
- Virginia Martha Barsch, B.A., Barat College, 1950; M.A., San Francisco College for Women, 1959. Art. *The Church of St. Trophime at Arles: Architectural and Iconographical Problems*.
- Donald C. Bartosik, B.S., Missouri School of Mines, 1960; M.S., Rensselaer Polytechnic Institute, 1967. Materials Science. *Thermodynamic Properties of the Gold-Palladium System as Measured with a Dual-Chamber Knudsen Cell Mass Spectrometer Combination Technique*.
- Charles Alfred Bearchell, Jr., B.S., San Francisco State College, 1959; M.S., 1962. Management. *A Study of Determinants of Search and Purchase in the Selection of Single-Family Homes*.
- Jerry C. Beasley, B.A., George Peabody College, 1963; M.A., University of Kansas, 1967. English. *The Minor Fiction of the 1740's: A Background Study of the Novels of Richardson, Fielding, and Smollett*.
- Robert J. Becherer, B.C.E., University of Dayton, 1966; M.S., Northwestern University, 1968. Civil Engineering. *Development of the Scattered Light Technique in Two- and Three-dimensional Applications*.

NORTHWESTERN UNIVERSITY

- Robert Lawrence Benedetti, B.S., Northwestern University, 1960; M.A., 1962. Speech. *Encounter Theatre*.
- Alice Schlegel Biery, B.A., Northwestern University, 1956; M.A., University of Chicago, 1959. Anthropology. *Domestic Authority and Female Autonomy in Matrilineal Societies*.
- Bruce Michael Bingman, B.S., Northwestern University, 1967; M.S., 1969. Nuclear Engineering. *An Approximate Monte Carlo Treatment of Resonance Absorption in Reactor Lattices*.
- John Robert Boston, B.S., Stanford University, 1964; M.S., 1966. Electrical Engineering. *The Origin of Fractional Distortion Pairs in the Cochlea*.
- Delbert Anton Bowden, B.M.Ed., University of Dubuque, 1949; M.M.Ed., Roosevelt University, 1955; M.Sc., Chicago State College, 1967. Education. *Pupil Services for the Inner-City "House" School*.
- William Alfred Boyce, B.A., Atlantic Christian College, 1952; M.A., University of Denver, 1958. Speech. *Mirror for the Commonwealth: A Study of the Use of Heteroclit Family Relationships as Dramatic Symbol in Jacobean Tragedy, 1603-1624*.
- William Johnston Boyle, Jr., B.S., Duke University, 1966; Chemistry. *Equilibrium and Kinetic Acidities of Arylnitroalkanes and Their Relationship to Transition State Structure*.
- Robert Cook Braddock, A.B., Middlebury College, 1961; M.A., Northwestern University, 1963. History. *The Royal Household, 1540-1560: A Study of Officeholding in Tudor England*.
- Jeanne F. Brazier, B.M., Lawrence University, 1958; B.M.Ed., Wheaton College, 1960; M.A., Roosevelt University, 1968. Education. *How Successful Students, Unsuccessful Students, and Faculty Members See Their College: A Multivariate Analysis of the Relationship of Environmental Perceptions to Academic Performance*.
- W. Floyd Bresee, B.Th., Walla Walla College, 1949; M.A., Sacramento State College, 1963. Speech. *An Analysis of Homiletics Teaching Methods Advocated by Contemporary Homiletic Authorities in the United States*.
- Diane Boerner Brodsky, B.S., Morningside College, 1964; M.S., Northwestern University, 1968. Biological Sciences. *Selected Aspects of the Parasitism of the Gastropod LITTORINA LITTOREA by CRYPTOCOTYLE LINGUA (Trematoda)*.
- Stephen Dale Bronn, B.S., University of Nebraska, 1966; M.S., Northwestern University, 1967. Mathematics. *I-Functions and Cotorsion Theories*.
- Alan Lampe Browne, A.B., Harvard University, 1966. Mechanical Engineering. *Dynamic Hydroplaning of Pneumatic Tires*.
- Robert J. Brucato, B.S., University of Illinois, 1966; M.S., University of Chicago, 1968. Astronomy. *Time Variations in the Emission Lines of Stars*.
- Thomas Andrew Buesch, B.A., Ripon College, 1965; M.A., Northwestern University, 1967. German. *Gerd Gaiser: Poet of Catastrophe*.
- Edwin T. Burton, B.A., Rice University, 1964; M.A., 1965. Economics. *The Development Process in a Dual Economy*.
- Kuan Yeul Chen, B.S., Cheng Kung University (Formosa), 1963. Materials Science. *Nucleation of Vacancy Loops in Quenched Aluminum*.
- Chi Cheng, B.S., National Taiwan University, 1964; M.S., University of Miami, 1968. Mechanical Engineering. *Dynamic Response and Stability of a Gas-Lubricated Rayleigh-Step Pad*.
- Dennis E. Chenoweth, B.S., Lewis and Clark College, 1966. Chemistry. *Studies of the Amine-Acceptor Crosslinking Sites of Fibrin*.
- Dwight Oliver Coblenz, B.S., University of Maryland, 1951; M.Ed., 1955; M.S., Northwestern University, 1963. Education. *An Analysis of the Practices Carried Out by Cooperating Teachers in Supervising Student Teachers in Mathematics as Perceived by Student Teachers*.
- Daniel J. Coffey, B.A., Loyola University, 1961; M.A., 1968. Education. *Leopoldo Zea and a Problem-Solving Approach to Philosophy*.
- Gary Martin Cohen, B.S., Rensselaer Polytechnic Institute, 1966. Chemistry. *The Total Synthesis of Racemic Fukinone*.
- Jerry Allan Colliver, B.A., University of Missouri, 1960; M.A., 1963. Psychology. *Signal Detection Analysis of Differential Rabbit Eyelid Conditioning as a Function of Cue Separation and Relative Frequency of Cue Presentation*.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- William J. Cook, B.S., United States Naval Academy, 1946; S.T.B., Boston University, 1952. Education. *Proposal Development as an Instrument of Change: A Project Report.*
- Hannah Case Copeland, B.A., Oberlin College, 1966; M.A., Northwestern University, 1967. French. *Art and the Artist in the Works of Samuel Beckett.*
- Thomas H. Copeland, B.A., Oberlin College, 1966; M.A., Northwestern University, 1967. English. *A Theory of Metrical Structure with Special Emphasis on Milton's Blank Verse.*
- Frank Albert Costanzi, B.S., University of Santa Clara, 1966. Physics. *Effective Lagrangian Techniques for Meson Decays.*
- Gordon W. Couturier, B.S., Michigan State University, 1964; M.S., 1965. Computer Sciences. *Computer Data Structures and Algorithms for Storage and Manipulation of Sets, Sequences, and Functions.*
- David James Croft, B.S., Stanford University, 1964; M.B.A., Northwestern University, 1966. Management. *A Comparative Study of Mathematical Methods for Diagnosing Disease.*
- Kevin Gerard Croke, B.S., Northwestern University, 1966. Industrial Engineering. *Analytical Models of the Effect of Externalities on Intra-Urban Migration.*
- August William Cronenberg III, B.S., Newark College of Engineering, 1966; M.S., Northwestern University, 1969. Nuclear Engineering. *A Thermohydrodynamic Model for Molten UO_2 -Na Interaction, Pertaining to Fast Reactor Fuel-Failure Accidents.*
- Alice Jean Cummings, B.A., Baylor University, 1950; M.A., University of Tennessee, 1960. Speech. *The Rhetoric of John Donne's DEVOTIONS UPON EMERGENT OCCASIONS.*
- Richard H. Cummings, B.A., Aurora College, 1965. Education. *The Development of Social Controls on the American Frontier: Case Studies for the Junior High School.*
- Ineke Cunningham, A.B., LaVerne College, 1963; M.A., Northwestern University, 1966. Sociology. *The Relationship Between Modernity and Academic Performance in Students in a Puerto Rican High School, Their Parents, and Peers.*
- Jarir S. Dajani, B.C.E., American University of Beirut, 1961; M.S., Stanford University, 1966. Civil Engineering. *Network Evaluation of Wastewater Collection Economics.*
- Betty Rolfs Davis, B.A., Oklahoma City University, 1966. Chemistry. *Structures of Molecular Nitrogen Complexes.*
- Peter A. Deddish, B.S., Cornell University, 1966. Microbiology. *A Study of the Binding of Deoxyribonucleic Acid by Cell Walls and Whole Cells of Transformable and Non-Transformable Streptococci.*
- Robert Allfree Dell, Jr., B.S., Purdue University, 1961; M.S., Northwestern University, 1964. Electrical Engineering. *Experimental Study of 1/F Noise Stationarity by Digital Techniques.*
- John De Mott, B.S., University of Kansas, 1946; M.A., University of Missouri, 1960. Journalism. *A Content Analysis of Newspaper Stories Described as "Interpretative."*
- K. Dale DeVille, B.A., Lamar State College of Technology, 1958; M.A., Northwestern University, 1960. English. *F. R. Leavis: A Study of His Critical Thought.*
- David Glenn De Wit, B.S., Calvin College, 1966. Chemistry. *Kinetics and Mechanisms of Substitution Reactions of Metal Complexes Involving Aminopolycarboxylate Ligands.*
- William F. Dietrich, Jr., B.A., Carleton College, 1966; M.A., Northwestern University, 1967. Mathematics. *Function Algebras on Completely Regular Spaces.*
- Maureen Diggins, B.A., Mount Marty College, 1966; M.S., Northwestern University, 1968. Biological Sciences. *Periodicities in Locomotor Activity of the Crayfish ORCONECTES VIRILIS and ORCONECTES IMMUNIS with Special Emphasis on Similarities Between Lunar-Monthly Patterns of Activity and Kp Index of Geomagnetism.*
- Ann St. Clair Dinger, A.B., Vassar College, 1967; M.S., Northwestern University, 1968. Astronomy. *Structure and Evolution of Helium Stars.*
- John Joseph Dinkel, B.A., Millersville State College, 1967. Applied Mathematics. *A Duality Theory for Dynamic Programming Problems via Geometric Programming.*

NORTHWESTERN UNIVERSITY

- Patricia M. Domingues, B.A., McNeese State College, 1963; M.Ed., 1967. Education. *Self Concept and Social-Economic Background of the Mature Female Undergraduate Student.*
- Patricia Mehrrens Dunlop, B.A., Hunter College, 1966. Biochemistry. *The Chemistry and Kinetics of δ -Chymotrypsin and its Derivatives.*
- Ronald Felix Duska, B.A., Gannon College, 1958; M.A., St. John's University, 1961. Philosophy. *The Justification of Ethical Principles.*
- Ronald S. Edari, B.A., University of Waterloo (Canada), 1966; M.A., Northwestern University, 1967. Sociology. *Ethnic Relations and Prospects for National Integration in Kenya.*
- Gertrude Hermine Eggert, B.A., University of Wisconsin, 1951; M.A., Northwestern University, 1954. Speech. *A Discussion and Translation of Carl Wernicke's Works on Aphasia.*
- Robert Earl Emerick, A.B., University of California, 1964. Sociology. *The Concept of Consensus: A Study of the Sources of Conceptual Diversity Within the Theoretical Consensus Literature.*
- Larry Gerald Evans, B.S., Purdue University, 1965; M.S., 1967. Mechanical Engineering. *A. C. Electrical Conductivity of a Slightly Ionized Gas.*
- Lawrence Stanley Evans, B.S., Case Institute of Technology, 1965; M.S., Northwestern University, 1967. Mathematics. *On a Generalized Markov Process.*
- Hector Farias, Jr., B.S., Texas A and I University, 1961; M.S., 1965. Education. *Nemesio Garcia Naranjo: Mexico's Minister of Education, 1913-1914.*
- Stephen Francis Fields, B.A., Harvard College, 1966. Mechanical Engineering. *Time-Dependent, Collision-Dominated Probe Theory and Floating Double Probe Number Density Measurements Behind Reflected Shock Waves in an Electromagnetic Shock Tube.*
- Peter George Flachsbart, B.S., Washington University, 1966; M.S., Northwestern University, 1968. Civil Engineering. *Race and Income as Bases for Preference for Attributes of Alternative Housing Environments.*
- James Allen Flanery, B.A., Fresno State College, 1960; M.S., University of California, 1963. Journalism. *Chicago Newspapers' Coverage of the City's Major Civil Disorders of 1968.*
- John Loren Florell, B.A., Carroll College, 1964; B.D., University of Dubuque, 1967; S.T.M., 1968. Religion. *Crisis Intervention in Orthopedic Surgery.*
- Elisabeth Louise Flynn, B.A., Manhattanville College, 1955; M.A., Loyola University, 1960. Art. *Gideon Shryock, 1802-1880: Green Revival Architect in Kentucky.*
- William Douglas Ford, B.S., University of Notre Dame, 1966; M.S., Northwestern University, 1968. Chemical Engineering. *Bubble Growth and Collapse in Narrow Tubes with Nonuniform Initial Temperature Profile.*
- R. Patrick Forster, A.B., Stanford University, 1965; M.A., University of Manchester (England), 1967. Management. *The Evaluation and Control of American Research and Development Laboratories in Europe.*
- Jerry Maurice Freedman, B.S., University of New Mexico, 1962; M.S., 1965. Theoretical and Applied Mechanics. *Dynamic and Static Response in a Transversely Isotropic Medium.*
- James B. Fritts, B.A., Swarthmore College, 1960; M.S., University of Pennsylvania, 1963. Education. *The Development and Analysis of a Behavioral Evaluation Model for an Independent Study Program.*
- Frank Joseph Galati, B.S., Northwestern University, 1965; M.A., 1967. Speech. *A Study of Mirror Analogues in Vladimir Nabokov's PALE FIRE.*
- William O. Gentry, B.S., University of Illinois, 1957; M.S., 1964. Materials Science. *Precipitation in Nickel-Rich Nickel-Aluminum Alloys.*
- David Thomas Girling, B.E., University of Sydney (Australia), 1962; M.Engr. Sci., University of South Wales, 1968. Management. *Foundations for Dynamic Data Retrieval, Dissemination and Manipulation System for Unstructured Decisions in an Interactive Environment: An Associative Approach.*
- Robert William Glenn, B.A., Wichita State University, 1966; M.A., Northwestern University, 1968. Speech. *Rhetoric and Poetics: The Case of Leftist Fiction and Criticism During the Thirties.*
- Jack Leslie Gosnell, Jr., B.S., Duke University, 1966. Chemistry. *Conformation Studies on Selected Six-Membered Rings.*
- Wendy Lee Gramm, B.A., Wellesley College, 1966. Economics. *A Model of the Household Supply of Labor Over the Life Cycle: The Labor Supply Decision of Married School Teachers.*

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Paul H. Grawe, B.A., Carleton College, 1966; M.A., Northwestern University, 1967. English. *Sombre Comedy: Comedy in a New Mood.*
- Andrew Elliot Greene, A.B., Princeton University, 1966. Chemistry. *The Total Synthesis of Racemic Guaicol and 7-Epiguaicol.*
- Emory A. Griffin, A.B., University of Michigan, 1959; B.D., Fuller Seminary, 1963; M.A., Northwestern University, 1968. Speech. *The Effects of Varying Degrees of Audience Density Upon Auditor Attitude.*
- William Bryant Gruhn, B.A., University of California, 1966. Chemistry. *Inter-molecular and Intracomplex Catalysis of Ester Hydrolysis by N-Alkylhydroxamic Acids.*
- Yehuda Jacob Gur, B.Sc., Israel Institute of Technology, 1964; M.Sc., 1967. Civil Engineering. *An Accessibility Sensitive Trip Generation Model.*
- Joy Habryl, B.S., Northwestern University, 1958; M.A.T., Radcliffe College, 1960. Education. *An Analysis of the Labor Force Participation of Women With College and Graduate Degrees in Various Occupational Fields Ranging from the Traditionally Male to the Traditionally Female Professions.*
- William James Hadden, Jr., B.S., Massachusetts Institute of Technology, 1963; M.S., Northwestern University, 1968. Mechanical Engineering. *Waves of Stochastic Media.*
- Robert Houston Hale, B.S., De Paul University, 1966; M.Ed., 1968. Education. *A Study of Articulation Practices within Florida of Selected Four-Year Institutions of Higher Education Involving Transfer Students from Junior Colleges.*
- Larry K. Hamilton, B.B.A., University of Oklahoma, 1955; M.A., University of Denver, 1959. Education. *The Relationship Between Self-Disclosure and Neuroticism.*
- Alexander Lance Hammond, B.A., Yale University, 1965; M.A., University of Redlands, 1966. English. *Edgar Allan Poe's TALES OF THE FOLIO CLUB.*
- James Arthur Harrington, B.A., Grinnell College, 1964; M.S., Northwestern University, 1966. Physics. *Thermal Conductivity, Infrared Absorption, and Raman Scattering by Point Defects in Alkaline Earth Fluorides.*
- George Harris, B.A., Calvin College, 1958; M.A., University of Michigan, 1959. Classics. *Ionia Under Persia: 547-477 B.C.—A Political History.*
- Joseph Edwin Hartka, B.S., The Johns Hopkins University, 1966. Mechanical Engineering. *The Effects of Convection and Heat Production on the Large Time Behavior of the Temperature of a Nonlinearly Radiating Semi-Infinite Rod.*
- Bruce Milton Hartung, B.A., Concordia College, 1963; B.D., Concordia Seminary, 1967; S.T.M., 1969. Religion. *Requests of Hospitalized Patients for a Religious Ministry.*
- Robert Edward Hausman, B.A., Case Western Reserve University, 1969; M.A., 1969. Biological Sciences. *The Role of HYDRA Mesoglea in the Maintenance of Form.*
- Judith Ann Hautala, B.A., Colorado College, 1967. Chemistry. *The Effect of Structural Variation on the Kinetic and Thermodynamic Acidities of Nitroalkanes.*
- Chandra M. Hecht, B.A., Lake Forest College, 1967; M.A., Northwestern University, 1968. Sociology. *Flashes and Pans: The Careers of Student Filmmakers.*
- Harry Mervin Heckathorn III, B.A., Carleton College, 1966; M.S., Northwestern University, 1971. Astronomy. *An Investigation of the Kinematics of the Ionized Gas in the Peculiar Galaxy M82.*
- Madhukar G. Hegde, B.Ch.E., University of Bombay (India), 1965; M.S., Northwestern University, 1967. Chemical Engineering. *Measurement of Surface Viscosities.*
- Anne M. Heinz, B.A., Wellesley College, 1964; M.A.T., Northwestern University, 1965; M.A., 1968. Political Science. *Black Pride as a System-Transforming Variable: Its Impact on Self-Image and Attitudes Toward Authority.*
- Robert Hershfield, B.Sc., Brown University, 1965. Chemistry. *The Synthesis and Characterization of a Modeled System for Proteolytic Enzymes.*
- Michael Thomas Hinkemeyer, B.A., St. John's University, 1962; M.A.T., Northwestern University, 1966. Education. *Democracy and the Curriculum: An Historical Survey, 1918-1968.*
- Robert Edward Holtz, B.S., University of Illinois, 1960; M.S., 1962. Nuclear Engineering. *On the Incipient Boiling of Sodium and its Application to Reactor Systems.*
- Rayford Peter Hosker, Jr., B.S., Boston College, 1965; M.S., University of Minnesota, 1967. Mechanical Engineering. *Evolution of a Perturbed Shock Front Advancing into a Chemically Reactive Gas.*

NORTHWESTERN UNIVERSITY

- Roy Earl Howarth, B.S., Northern Illinois University, 1957; M.A., Northwestern University, 1960. Education. *The Response-Centered Approach to the Study of Literature: Its Re-emergence at the Anglo-American Conference at Dartmouth in 1966.*
- Wen Huang, B.S., National Taiwan University, 1965; M.S., South Dakota School of Mines and Technology, 1968. Civil Engineering. *Disclinations in Elastic Media.*
- Barry Joe Huebert, B.A., Occidental College, 1967; M.S., Northwestern University, 1968. Chemistry. *A Study of AC Polarography in the Frequency-Multiplex Mode.*
- John Weldon Humphrey, A.B., Miami University, 1959. Geography. *Population Resettlement in Malaya.*
- Lynda Faut Hungerford, A.B., Knox College, 1962; M.A., Northwestern University, 1964. English. *A Dappled Thing: The Cultural and Critical Milieu of Harley 2253.*
- Hitoshi Ishii, B.Eng., Shizuoka University (Japan), 1964; M.Eng., Tohoku University (Japan), 1966. Materials Science. *Fatigue Crack Propagation in Copper and Copper-Aluminum Single Crystals.*
- Howard Everett Jackson, B.S., University of Rochester, 1965. Physics. *Thermal Conductivity, Second Sound, and Phonon-Phonon Interactions in Sodium Fluoride.*
- Del Ivan Janik, B.A., Northwestern University, 1966; M.A., University of Michigan, 1967. English. *D. H. Lawrence: The Poetry of Intuition.*
- Dale Howard Johnson, B.S., University of Redlands, 1966. Chemistry. *I. Stereochemistry and Atomic Inversion in Trialkyloxonium Systems. II. Structure and Stereochemistry of Pentamethylene Group VI Heterocycles and their Halogen Adducts.*
- Joan Hewlett Johnson, B.S., Cornell University, 1964. Biological Sciences. *Studies on the Origin of the Hereditary Ovarian Tumors of FES DROSOPHILA MELANOGASTER.*
- George Hewett Joiner, Jr., B.A., Emory University, 1963. History. *The Voluntary Charity of The East India Company, 1784-1834.*
- Ezra Earl Jones, A.B., Birmingham-Southern College, 1960; B.D., Duke University, 1964; Th.M., 1964. Religion. *Analysis of Significant Relationships in the Attitudes of United Methodist Clergy and Laity Toward Social and Political Issues.*
- Michael Keefe Jones, B.S., University of Louisville, 1965; M.Ed., Springfield College, 1966; M.B.A., University of Louisville, 1968. Education. *Procedural Due Process of College Students: A Comparison of the Legal Structure.*
- Ira M. Kaufman, B.S., SUNY at Buffalo, 1968; M.A., Northwestern University, 1971. Management. *A Microbehavioral Model of Social Marketing: A Field Test of Selected Psychosocial Variables in the Adoption of an Adult Education Course.*
- Elaine Mozer Kauvar, B.A., University of Colorado, 1962; M.A., Duke University, 1965. English. *Blake's Botanical Imagery.*
- James Neil Kay, B.E., University of New South Wales, 1957; M.S., Northwestern University, 1969. Civil Engineering. *A Bayesian Approach to Soils Engineering Problems.*
- David Paul Keeton, B.A., Hendrix College, 1966. Chemistry. *A Study of the Chemistry of Nitrosyltetracabronylmanganese (0).*
- Daniel Laurence Kegan, B.S., Swarthmore College, 1965; M.S., Northwestern University, 1969. Industrial Engineering. *Trust, Openness, and Organizational Development: Short-Term Relationships in Research and Development Laboratories and a Design for Investigating Long-Term Effects.*
- Peter J. Kellogg, B.S., Davidson College, 1960; M.A., Northwestern University, 1963. History. *Northern Liberals and Black America: A History of White Attitudes, 1936-1952.*
- Oscar George Kennedy, B.S., University of Michigan, 1966; M.S., Northwestern University, 1969. Industrial Engineering. *The Medical Rehabilitation System.*
- Reinhold J. Kerstan, B.S., University of Frankfurt (Germany), 1957; M.S., 1957. Religion. *Historical Factors in the Formation of the Ethnically Oriented North American Baptist General Conference.*
- Dae Kyoan Kim, B.S., Seoul National University, 1964; M.S., Northwestern University, 1967. Chemical Engineering. *Parametric Pumping in a Packed Catalytic Column.*

- Edwin M. Klein, B.A., Northwestern University, 1966; M.S., 1967. Mathematics. *Toeplitz Operators and Weyl Spectra*.
- Paul Albert Klevgard, B.S., University of Wisconsin, 1963; M.A., Northwestern University, 1964. History. *Society and Politics in Counter-Reformation France: A Study of Bérulle, Vincent De Paul, Olier, and Bossuet*.
- Fred R. Koeng, A.B., Franklin and Marshall College, 1963. Chemistry. I. *The Solvolysis of cis, cis-Tricyclo [5.1.0.0^{3,6}] oct-2-yl p-nitrobenzoate*. II. *Conformational Investigation into the Phenomenon of Ring Flattening*.
- Anthone Paul Kort, A.B., Calvin College, 1953; M.A., University of Michigan, 1954. Education. *Transformation Vs. Non-Transformation Tenth-Grade Geometry: Effects on Retention of Geometry and on Transfer in Eleventh-Grade Mathematics*.
- Harvey Joseph Kosherick, B.C.E., The Cooper Union, 1964; M.S., Northwestern University, 1967. Civil Engineering. *Spherical Shell with a Column Supported Edge-Beam*.
- Edwin H. Kraft, B.S., Drexel Institute of Technology, 1965. Materials Science. *The Hardness and Deformation of NiSb*.
- Carolyn Louise Krause, A.B., Valparaiso University, 1963; M.A., Northwestern University, 1967. German. *Wilhelm Meinhold: His Life, Works, and Reception in England and America*.
- William V. Kropac, B.S., State University of New York at Stony Brook, 1963. Physics. *A Study of Some Final States in K-d Interactions at 5.5 GeV/c*.
- Gregory J. Kubas, B.S., Case Institute of Technology, 1966. Chemistry. *Preparation and Characterization of Organozinc Hydride Complexes*.
- David Edward Kyvig, B.A., Kalamazoo College, 1966. History. *In Revolt Against Prohibition: The Association Against the Prohibition Amendment and the Movement for Repeal, 1919-1933*.
- Mary Wakefield Pulliam Lambert, B.S., Birmingham-Southern College, 1966. Chemistry. *The Regulation and Control of Alanine Racemase in ESCHERICHIA COLI W*.
- Laurence Albert Lampert, B.A., University of Manitoba, 1962; B.D., Drew University, 1966. Philosophy. *The Views of History in Nietzsche and Heidegger*.
- George H. Lamson, A.B., Princeton University, 1963. Economics. *Central Banking in an Open Export Economy: The Monetary System of French Speaking West Africa, 1956-1967*.
- Klaus Michael Langeneckert, Eq. of B.S., University of Karlsruhe, 1966; M.S., Northwestern University, 1969. Civil Engineering. *On Added Mass in an Incompressible Newtonian Fluid*.
- Elizabeth Lapeyre, Eq. of B.A., University of Rennes, 1959; M.A., Northwestern University, 1962. French. *LES ESBATIS De Jacques Grevin: Edition Critique*.
- Michael Rohrlieh Leavitt, S.B., Massachusetts Institute of Technology, 1966; M.A., Wayne State University, 1968. Political Science. *A Formal Model of International Alliance in Behavior*.
- Lloyd Lieh-shen Lee, B.S., National Taiwan University, 1963; M.S., University of Nebraska, 1966. Chemical Engineering. *A Study of the Percus-Yevick Theory of the Radial Distribution Functions, Thermodynamic Properties, and Vapor-Liquid Equilibria of Binary Mixtures of Molecules Interacting with the Kihara Potential and Applications to the Argon-Nitrogen System*.
- Arnold Henry Lent, B.S., New York University, 1958; M.S., Massachusetts Institute of Technology, 1962; M.S., Harvard University, 1962. Applied Mathematics. *Wiener-Hopf Operators and Factorization*.
- Daniel Seth Levine, B.S., Cornell University, 1964; M.S., Northwestern University, 1968. Economics. *Interactions of Economic and Non-Economic Factors in the Development of Italy*.
- Gerald F. Linderman, B.A., Yale University, 1956; M.A., Northwestern University, 1964. History. *American Society and the Spanish-American War*.
- Oksana Maslivec Lockridge, B.A., Smith College, 1963. Chemistry. *Studies on Transpeptidating Enzymes*.
- David Bruce MacKay, B.S., Cornell University, 1966. Management. *Consumer Movement and Store Location Analysis*.
- Richard J. Maher, B.S., University of Notre Dame, 1965; M.S. Northwestern University, 1967. Mathematics. *Notes on the Theory of Lifting*.
- Jeffrey Victor Mallow, A.B., Columbia College, 1964; M.S., Northwestern University, 1966. Physics. *Experimental and Theoretical Investigation of Ultraviolet Transition Lifetimes in Carbon, Nitrogen, and Oxygen Ions*.

- James L. Marsh, B.A., Gonzaga University, 1962; M.A., 1963. Philosophy. *Hegel and Kierkegaard: A Dialectical and Existential Contrast*.
- Alvin Martin, B.S., University of Illinois, 1960; M.B.A., Texas Technological College, 1964. Management. *The Decision-Revelance of Reported Accounting Information: An Empirical Perspective*.
- Bruce Franklin Mase, B.S., University of Michigan, 1952; B.D., Pittsburgh Theological Seminary, 1956; M.S., University of Michigan, 1962. Religion. *Changes in Self-Actualization as a Result of Two Types of Residential Group Experience*.
- Gerald Michael Masson, B.S., Illinois Institute of Technology, 1966; M.S., Northwestern University, 1968. Electrical Engineering. *A Study of Multi-Stage Connection Networks for the Realization of Multiple Connection Assignments*.
- Gordon Bartlett McKinney, B.A., Bates College, 1965. History. *Mountain Republicans, 1876-1900*.
- William Prince McLemore, B.S., Kent State University, 1957; M.Ed., 1963. Education. *Cases on Blacks in American History, 1770-1877*.
- Thomas G. Mecca, B.A., State University of New York, 1967. Chemistry. *The Solvolysis and Second Order Nucleophilic Substitution Reactions of Some Primary, Secondary, and Tertiary γ -Phenylsulfonyl Substituted Allyl Compounds*.
- Lewis Arthur Mennerick, A.B., Knox College, 1965; M.A., Northwestern University, 1966. Sociology. *The Impact of the External Environment on a County Jail School*.
- Arnim Hans Meyburg, B.A., University of Hamburg, 1964; M.S., Northwestern University, 1968. Civil Engineering. *An Empirical Study of the Relationship Between the Intercity Passenger Transportation System and the Social State of Metropolitan Areas in the Northeast Corridor*.
- Isabella S. Milewski, B.S., Loyola University, 1960; M.A., 1961. Spanish. *The Image of Man in Spanish Surrealist Poetry (Alberti, Lorca, Cernuda, Aleixandre)*.
- Gerald Donald Miller, B.S., University of Illinois, 1964; M.S., Southern Methodist University, 1966. Electrical Engineering. *Algorithms for Streaming Processes*.
- Helen Roedel Miller, A.B., Syracuse University, 1963; M.A., Northwestern University, 1965. Sociology. *Authority and Compliance in Public School Settings: The Student Perspective*.
- Michael Stephen Miller, B.S., University of Maryland, 1966. Chemistry. *Hydrogen-Deuterium Exchange of Amide Groups Incorporated into Polymeric Systems*.
- Thomas Owen Mitchell, B.S., Trinity College, 1966. Chemistry. *Esterolytic Catalysts Composed of Active Groups Chemically Bonded to Silica Surfaces*.
- Floyd Allen Middleman, B.S. in Ed., Northern Illinois University, 1952; M.S., Northwestern University, 1958. Education. *Investigations into the Improvement of Science Instruction in the Elementary School Utilizing the Teacher as a Primary Resource for the Development of Unique Teaching Materials*.
- Michael D. Miyamoto, B.A., Northwestern University, 1966. Biological Sciences. *An Investigation of the Effects of Glycerol-Treatment of Frog Muscle and of Neuromuscular Transmission in the Absence of Blocking Drugs*.
- Charles David Moody, Sr., B.S., Central State University, 1954; M.Ed., Chicago State College, 1961. Education. *Black Superintendents in Public School Districts: Trends and Conditions*.
- Gulliume Moor, B.A., Roosevelt University, 1964; M.A., 1966; M.A., 1968. Philosophy. *Ontological Realisms: A Critique of Gustav*.
- Manouchehr Motamedi, B.S., Tehran University, 1961; M.S., Northwestern University, 1968. Electrical Engineering. *Wideband Transduction Techniques for Acoustic Surface-Waves Devices*.
- William Stewart Mungall, B.A., State University of New York, 1967. Chemistry. *Phosphoramidate Analogs of Oligonucleotides*.
- James Murray Murdoch, B.Th., Baptist Bible Seminary, 1960; M.A., Northwestern University, 1962. History. *Charles Hammond: Egalitarian-Whig. An Analysis of the Political Philosophy of a Federalist-Whig Editor and its Implications Concerning the Traditional Concept of Jacksonian Democracy*.
- Floyd Spencer Myers, B.S., Northwestern University, 1965. Materials Science. *Properties and Microstructure of Polycarbonate-Polysulfone Blends*.
- Victor Godshall Myers, B.A., Goshen College, 1966. Chemistry. *The Reactions of Several Iridium (III) Complexes*.
- William W. Neher, B.A., Butler University, 1966; M.A., Northwestern University, 1967. Speech. *Contemporary Public Address in Kenya: A Study in Comparative Rhetoric*.

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- Louis George Newman, B.S., California Institute of Technology, 1966. Chemistry. *An Electron Spin Resonance Study of 4,4'-Dialkylbiphenyl Radical Anions.*
- Ralph John Nuisiner, Jr., B.S., Northwestern University, 1966; M.S., 1971. Theoretical Mechanics. *Crack Propagation Generated by a Transient, Tension-Stress Wave.*
- Joyce M. Nussbaum, B.A., Goucher College, 1966; M.A., Northwestern University, 1968. Economics. *The Cost to Nonwhite Males of Labor Market Discrimination.*
- Aahmes Elly Overton, B.A., Florida Southern College, 1963; B.D., Garrett Theological Seminary, 1966. Religion. *The Problem of Analogy in Theological Method.*
- Matilda Butler Paisley, B.S., Boston University, 1964; M.A., Stanford University, 1966. Psychology. *A Comparison of Cross-lagged, Path, and Multi-variate Causal Interference Techniques, Applied to Interests, Information, and Aspirations.*
- William John Paul III, B.S., Loyola College, 1966. Mechanical Engineering. *Optimal Control Problems and Differential Games with Time Delays.*
- Alfred B. Pasteur, A.B., Florida A and M College, 1950; M.S. in Ed., Indiana University, 1952. Education. *The Social Class Origin of Black Counselors and Their Attitudes Toward Disadvantaged Youth.*
- Harry S. Pearle, B.E.E., The Cooper Union, 1963; M.S., University of Illinois, 1964. Electrical Engineering. *Nonlinear Spatial Interactions of Visual Cortical Neurons.*
- Shi-Kaung Peng, M.D., National Taiwan University, 1966. Pathology. *Studies on Cholesterol; Metabolism by Application of Heavy Water and Mass Spectrometry and Biological Effects of Heavy Water in Rats.*
- Suzanne Meyer Perlman, B.A., Northwestern University, 1961; M.A., University of Chicago, 1965. Speech. *Cognitive Function in Children with Hormone Abnormalities.*
- William Aubrey Peters, B.S., University of Tennessee, 1958; M.A., Northwestern University, 1965. Education. *Evaluation of Achievement and Attitudes of Delinquent Boys in a State Training School Toward the Criminal Justice System.*
- Manfred Hans Wilhelm Philipp, B.S., Michigan Technological University, 1966. Chemistry. *Subtilisin: I. Kinetic Specificity. II. Inhibition of Subtilisin and Chymotrypsin by Arylboronic Acids.*
- Frank Pino, Jr., B.A., Arizona State University, 1963; M.A., 1964. Spanish. *El Simbolismo en la Poesía de Antonio Machado.*
- James Purvis Pitts, B.A., Northwestern University, 1966; M.A., 1968. Sociology. *A Case Study: Analysis of Black High School Students—A Generation of Change.*
- Dorothy Darling Pless, B.S., University of Iowa, 1965. Chemistry. *The Initial Membrane Enzyme of Peptidoglycan Biosynthesis: Specificity and Fractionation of Pospho-N-acetylmuramyl-pentapeptide Translocase.*
- Jack Nusan Porter-Puchtik, B.A., University of Wisconsin, 1967; M.A., Northwestern University, 1969. Sociology. *Student Protest, University Decision-Making, and the Technocratic Society: The Case of ROTC.*
- James Joseph Quinn, B.M., DePaul University, 1958; M.M., 1963. Speech. *An Examination of the Evolution of Jazz as it Relates to the Pre-Literate, Literate and Post-Literate Percepts of Marshall McLuhan.*
- Wolfhard Ramm, B.A., Middlebury College, 1966. Economics. *The Valuation and Estimation of Automobile Services, 1961-1968.*
- Domalpally Babu Rao, B.E., Osmania University, 1960; M.E., University of Roorkee, 1962. Civil Engineering. *Transient Seepage in Well Systems.*
- Pranab Kumar Raychaudhuri, B.E., University of Calcutta, 1961. Materials Science. *Mass Spectrometric and Galvanic Cell Studies of the Thermodynamic Properties of Solid Silver-Palladium Alloys.*
- Dalton W. Reimer, B.A., Fresno State College, 1959; M.A., Northwestern University, 1960. Speech. *Approaches to Preaching: An Analysis of Twentieth-Century Concepts and Theories of Preaching.*
- Victor Myndert Reusch, Jr., A.B., Princeton University, 1966. Chemistry. *The Biosynthesis of Teichoic Acid: The Formation of Alanine Ester Linkages by D-Alanine: Membrane: Acceptor Ligase.*
- Anton H. Richter, B.A., Northwestern University, 1965; M.A.T., 1966. German. *The Major Themes in the Works of F. G. Jünger.*

- James Paul Richter, B.S., Northwestern University, 1963; M.A., Miami University, 1967. Education. *The Establishment of a Planning-Programming-Budgeting System Program and its Impact on Teacher Morale.*
- Randolph Lynn Rill, B.A., Franklin and Marshall College, 1966. Chemistry. *Structural Role of Tyrosine Residues in Hemerythrin.*
- Juan Jose M. Rivaud, Eq. of B.S., National University of Mexico, 1965; eq. of M.S., Centro de Investigaciones del I.P.N. (Mexico), 1966. Mathematics. *Differential Structures on Banach Manifolds.*
- Ruth Gay Robbins, B.A., Vanderbilt University, 1957; M.S., 1967. Speech. *Anatomical Correlates of the Generation of Fractional Subharmonics.*
- John Schaefer Rose, B.A., University of Michigan, 1963; M.A., 1965. Applied Mathematics. *Markov Decision Processes under Uncertainty.*
- Robert Laurence Roth, B.A., University of Michigan, 1963; M.A.T., University of Maine, 1967. Education. *A Systematic Evaluation of the Self-Directed School Day (Open Campus) at Niles East High School, Skokie, Illinois.*
- Elliot Lee Rubin, B.A., Northwestern University, 1966; M.A., 1968. Psychology. *Structural Analysis of Simulated Multitrait-Multimethod Matrices: A Re-Examination of Additive and Multiplicative Models.*
- Ronald Alan Ruden, B.A., Queens College, 1967. Chemistry. *The Stereoselective Total Synthesis of Racemic Nootkatone.*
- Charles Gill Sadler, B.A., Lawrence University, 1962; M.A., De Paul University, 1964. History. *The Expendable Frontier: United States Policy on the Polish-German Frontier During the Second World War.*
- Alan M. Sager, B.S., Tufts University, 1962; J.D., University of Michigan, 1965. Political Science. *A Simulation of Judicial Behavior in the United States Supreme Court.*
- Fred J. Sakri, B.S., Northwestern University, 1967; M.A., 1968. Political Science. *The Hardened Belief Concept as a Tool of Political Analysis: Stability and Revolution in an Advanced Capitalist Society.*
- Crispin E. Sanchez, B.A., Southwest Texas State University, 1950; M.Ed., 1958. Education. *An Analysis of Parity in the T.T.T. Projects of the United States.*
- Howard Mark Sandler, B.A., The Johns Hopkins University, 1967; M.A., Northwestern University, 1969. Education. *The Importance of Disordinal Interaction in Factorial Design.*
- Constantine Santas, B.A., Knox College, 1961; M.A., University of Illinois, 1962. English. *Emerson's Theory of the Here.*
- Howard Joel Schechter, B.A., University of Michigan, 1966; M.A., Northwestern University, 1968. Sociology. *Defending Kids: The Public Defender and the Social Organization of Juvenile Court.*
- Gloria Simon Scher, B.S., Northwestern University, 1953; M.A., 1969. Education. *The Relationship Between Parental Reinforcement and Attention Seeking Behaviors in Four Year Olds.*
- William Kaye Schwenher, A.B., St. Louis University, 1939; S.T.B., 1950; M.A., 1965. Speech. *A Descriptive Analysis of the Lawrence Welk Show as a Unique Sociological Phenomenon.*
- W. Burleigh Seaver, Jr., B.A., Yale University, 1967; M.A., Northwestern University, 1970. Psychology. *Effects of Naturally Induced Teacher Expectancies on the Academic Performances of Pupils in Primary Grades.*
- Joseph Kenneth Shartiag, B.S., U.S. Coast Guard Academy, 1960; M.S., University of Connecticut, 1967. Industrial Engineering. *Data Analysis and Simulation System for Hospital Operating Rooms.*
- David Glenn Shaw, B.S., St. Procopius College, 1965; M.S., Arizona State University, 1967. Materials Science. *Electrical Properties of Cholesteric Liquid Crystals.*
- Peter Sterling Sheridan, B.A., Kenyon College, 1966. Chemistry. *Decomposition Reactions of Ruthenium(II) and Ruthenium(III) Azide Complexes.*
- Donald Lee Singleton, B.S., University of California, 1967. Chemistry. *A Mass Spectrometric Study of Transition Metal Oxohalides and Thiohalides: Oxotetrahalides of Groups VI, VII, VIII; Dioxodihalides of Group VI: Thiochlorides of Tungsten.*
- Edir Barros Siqueira, M.D., Universidade de Minas Gerais, 1955; M.S., Northwestern University, 1962. Anatomy. *The Cortical Connections of the Dorsal Thalamus in the Rhesus Monkey.*

- Celia Davis Sladek, B.A., Hastings College, 1966; M.S., Northwestern University, 1969. Physiology. *The Relationship Between the Amino Acid, Glucose, and Insulin Concentration in Control of Gluconeogenesis in the Perfused Rat Liver.*
- Geoffrey N. Smit, B.Sc., University of the Witwatersrand, 1965. Mechanical Engineering. *Generalized Lorentz Gas and Rayleigh Gas Approximation.*
- W. Dale Snyder, B.S., Lehigh University, 1966. Chemistry. *Effect of Molecular Weight on Hydrogen-Deuterium Exchange in a Non-Helical Polyamide.*
- Esther Sparks, B.A., University of Chicago, 1951; M.A., Northwestern University, 1968. Art. *A Biographical Dictionary of Painters and Sculptors in Illinois 1808-1945.*
- Jeffrey Burrell Spencer, A.B., University of California, 1948; M.A., De Paul University, 1960. English. *Five Poetic Landscapes, 1650-1750: Heroic and Ideal Landscape in English Poetry from Marvell to Thomson.*
- Bernhard Stahl, B.S., University of Wisconsin, 1963; M.S., 1964. Theoretical Mechanics. *Vibration and Stability of Rectangular Plates with Mixed Boundary Conditions.*
- Charles I. Stannard, A.B., Colgate University, 1965; M.A., Northeastern University, 1967. Sociology. *Old Folks and Dirty Work: The Structure of Patient Care in a Nursing Home.*
- Edward I. Steinhart, B.A., City College of New York, 1963; M.A., University of California, 1965. History. *Transition in Western Uganda: 1891-1901. Resistance and Collaboration in the Ankole, Bunyoro, and Toro Kingdoms of Uganda.*
- Hugh Michael Stevenson, B.A., University of Witwatersrand, 1965; M.A., Western Michigan University, 1966. Political Science. *Conflict and Political Instability in Africa.*
- M. Ronald Stiff, B.M.E., Cornell University, 1963; M.B.A., University of Chicago, 1969; M.A., Northwestern University, 1971. Management. *Reforms as Products: A Marketing Management System Model for an Adult Education Course in Driving Improvement.*
- Ronald Lynn Stout, B.S., Iowa State University, 1964; M.S., Northwestern University, 1967. Electrical Engineering. *Breath by Breath Determination of Pulmonary and Systematic Blood Flow from Measurements of Inert Gas Uptake by the Lungs.*
- A. James Stuppel, B.A., Duke University, 1963; M.A., Northwestern University, 1966. English. *Utopian Humanism in American Fiction, 1888-1900.*
- William Allen Summers, Jr., A.B., Wabash College, 1966. Chemistry. *Synthetic, Degradative and Photochemical Studies of Nucleotides.*
- Dwight A. Sweigart, B.A., Franklin and Marshall College, 1967. Chemistry. *Kinetic and Mechanisms of the Substitution Reactions of Transition Metal Dithiolate Systems.*
- Masatake Takahashi, B.S., University of Osaka, 1964; M.S., 1966. Materials Science. *Magnetic Properties and Phase Transformations in the CoFe_2O_4 - Co_3O_4 System.*
- Kunio Tamura, B.S., Osaka University, 1965. Materials Science. *Optical Properties of B-Phase Ternary Alloys.*
- Elsa Beck Telser, B.A., Roosevelt University, 1952; M.A., 1954. Speech. *Assessment of Word-Finding Skills in Stuttering and Non-Stuttering Children.*
- Lloyd Brewster Thomas, Jr., A.B., University of Missouri, 1963; A.M., 1964. Economics. *Studies in International Currency.*
- Mark William Thomsen, B.A., Dana College, 1953; B.D., Trinity Seminary, 1956; Th.M., Princeton Theological Seminary, 1957. Religion. *Christ With or Without God and Mythology: An Analysis and Critique of the Theological Proposals and Debate of Schubert Ogden and Paul Van Buren.*
- Howard Charles Ulan, A.B., Rutgers College, 1967; M.A., Northwestern University, 1969. Psychology. *Locus of Control and Response to Situations Varying in Novelty.*
- Dean H. Uyeno, B.S., University of Washington, 1965; M.S., 1967. Industrial Engineering. *Health Manpower Systems.*
- Henry Leonard Vacher B.S., University of Washington; M.S., Northwestern University, 1968. Geological Sciences. *Late Pleistocene Sea-Level History: Bermuda Evidence.*
- Pablo De Tarso Valenzuela, B.S., University of Chile, 1963. Chemistry. *On the Alkaline pH Dependence of Chymotrypsin Catalyzed Reactions.*

NORTHWESTERN UNIVERSITY

- Dirk H. van der Elst, B.A., University of Utah, 1960; M.A., 1961; M.A., Northwestern University, 1964. Anthropology. *The Bush Negro Tribes of Surinam, South America: A Synthesis.*
- John Bruce Vander Sande, B.E., Stevens Institute of Technology, 1966. Materials Science. *Production and Recovery of Defects After Unidirectional and Cyclic Deformation at 4.2°K.*
- Boris Alexander Vern, B.S. in Med., Northwestern University, 1968. Biological Sciences. *An Investigation of Possible Humoral Factors Related to the Initiation of Paradoxical Sleep in the Cat.*
- Michele Vishny, B.S., Northwestern University, 1954; M.A., 1965. Art. *Mordecai Ardon: A Study of his Life and Work.*
- Carl William Vogel, B.S., Northwestern University, 1963; M.S., 1964. Industrial Engineering. *An Information System for Academic Departments in Higher Education.*
- Walter Joseph Wadycki, B.S., De Paul University, 1965; M.A., Northwestern University, 1967. Economics. *Jan Tinbergen and Early Econometric Testing: A Reconsideration.*
- Pao-Yen Wang, B.S., Taiwan Provincial Cheng-Kung University, 1961; M.S., 1964. Mechanical Engineering. *Nearly Free-Molecular Flows by Method of Fundamental Solution.*
- Joel Robert Weiss, B.S., University of California, 1966; M.S., Northwestern University, 1968. Engineering Sciences. *An Investigation of Stability of Motion Under Constantly Acting Disturbances.*
- Ward W. Weldon, B.S., University of Kansas, 1958; M.A., University of Iowa, 1961; M.B.A., University of Chicago, 1968. Philosophy of Education. *John Dewey's Temporal Criteria of Educative Experience.*
- Richard Edward Wendell, B.S., University of Pittsburgh, 1965; M.S., 1966. Industrial Engineering. *Some Aspects in the Theory of Location.*
- Paul Walter Wheeler, B.E., The Cooper Union, 1964; M.S., Northwestern University, 1967. Theoretical Mechanics. *Wave Propagation in Composite Materials.*
- August Karl Wiedmann, B.A., University of Toronto, 1962. Philosophy. *Romanticism and its Continued Heritage in Kandinsky and German Expressionism.*
- Richard A. Wills, B.A., Brown University, 1962; M.A., University of North Carolina, 1965. Anthropology. *The Institutionalized Severely Retarded: A Combined Exploratory and Systematic Observational Study.*
- Jeremy Robert Wilson, B.A., Northwestern University, 1955; M.A., 1961. Education. *A Longitudinal Examination of the Undergraduate Student Environment at Northwestern University, 1965-1970.*
- John Richard Meredith Wilson, B.A., University of California at Santa Barbara, 1964. History. *Herbert Hoover and the Armed Forces: A Study of Presidential Attitudes and Policy.*
- Charlene Wisdom, B.A., Washington University, 1965. Biological Sciences. *The Association of Alkaline Phosphatase and NADH Oxidase with the Spheroplasts of BACILLUS STEAROTHERMOPHILUS 1520-4R.*
- Sheh Wong, B.A., Taiwan Normal University, 1956; M.A., Meiji University, 1960; M.A., George Peabody College, 1963. Education. *China in High School Social Studies Textbooks.*
- Walt Mao-Chia Yang, B.S., National Taiwan University, 1963; M.S., Northwestern University, 1967. Materials Science. *The Spinodal Decomposition in Au-Ni Alloys.*
- Kaoru Yonetani, B.S., Kobe University, 1960; M.S., Northwestern University, 1968. Materials Science. *Radiation Effects in Polyvinyl Acetate and its Copolymers.*
- Jean G. Young, B.S. in Ed., Northwestern University, 1955; Ed.M., Temple University, 1959. Education. *The Identification and Measurement of Teacher Pre-disposition to Participate in the Planning of Change.*
- Philip Barnard Young, A.B., Wabash College, 1965; M.A., Northwestern University, 1967. Education. *An Investigation of Acoustic and Associative Memory Attributes in Children of Two Ages and Social Class Levels.*
- Justin Allen Zivin, B.S., Northwestern University, 1967; M.S., 1970. Physiology. *Glucose and 3-Hydroxybutyrate Uptake by the Isolated Perfused Rat Brain.*
- Stanley J. Zyskowski, Jr., B.S., Purdue University, 1964; M.S., Northwestern University, 1968. Mechanical Engineering. *Electron Temperature and Number Density Measurements Upstream of Strong Shock Waves in Argon.*

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

MASTER OF ARTS

- Janet R. Altman, B.S., University of Illinois, 1967. Speech.
 Joanne Elizabeth Anderson, B.A., Principia College, 1966. Spanish.
 Letty Donaldson Anderson, B.A., Northwestern University, 1965. Economics.
 Linda Susan Anderson, B.A., North Park College, 1970. English.
 Zinnia S. Angara, A.B., St. Scholastica's College (Philippines), 1967. Speech.
 Robert Lee Arend, B.A., Western Michigan University, 1968; M.A., Trinity Evangelical Divinity School, 1970. English.
 Mary Jean Bach, B.A., Northwestern University, 1969. Psychology.
 Michael James Baker, B.S., Northwestern University, 1968. Education.
 Enid L. Baron, B.A., University of Chicago, 1957. Education.
 Barbara Jean Barry, A.B., Rosary College, 1966. Education.
 Elias Baumgarten, A.B., Brandeis University, 1967. Philosophy.
 Marlene G. Baumgarten, B.A., Trinity University, 1957. Art.
 Ellen F. Beckett, B.A., Pomona College, 1970. Education.
 Donna Alberta Behnke, B.S., B.Th., Aurora College, 1967. Religion.
 Carol Jaeschke Bennett, B.S., Northwestern University, 1969. Education.
 Myron S. Berger, B.A., Ohio State University, 1970. Speech.
 Roger D. Bernstein, B.A., Washington and Jefferson College, 1969. English.
 Chantal Sandre Berry, B.A., Bates College, 1969. English.
 Diane Best, B.A., DePauw University, 1967. Speech.
 Ernest R. Bevan, Jr., B.A., Stanford University, 1970. English.
 Suzann Bick, B.A., Roosevelt University, 1969. English.
 Shirley Merle Billings, B.A., Hood College, 1969. English.
 Ralph John Bishop, A.B., Cornell University, 1966. Anthropology.
 Cassandra Lou Book, B.A., Michigan State University, 1970. Speech.
 Lorraine Borman, Ph.B., Northwestern University, 1969. History.
 Mary Mortimer Bosley, B.A., Smith College, 1955. Speech.
 Mary Josephine Graham Boyd, A.B., Wheaton College, 1970. English.
 Leroy Bryant, B.A., Chicago State College, 1970. Education.
 Gergory C. Burnham, B.A., Fordham University, 1969. Mathematics.
 Deborah Diane Butler, B.A., University of California, 1969. Speech.
 Jerilyn L. Cady, B.A., Augustana College, 1963; M.M., Northwestern University, 1965. Speech.
 Judith Diane Castro, B.A., University of California, San Diego, 1970. English.
 Chih-Chi Chen, B.A., National Taiwan University, 1967. Speech.
 Virginia Cheney, B.A., Macalester College, 1959. Political Science.
 John Michael Christensen, B.A., University of California, 1970. English.
 I. Robert Chudd, A.B., Dartmouth College, 1967. English.
 Shinea Chun, B.A., Ewha Woman's University (Seoul, Korea), 1965. Education.
 Howard W. Clark, B.A., University of Rhode Island, 1958. Political Science.
 James Everett Clark, B.A., Michigan State University, 1969. Economics.
 LaMont L. Clark, B.S., Eastern Illinois University, 1971. Speech.
 Marjorie Ann Clay, B.A., University of Oklahoma, 1969. Philosophy.
 Jerylee Cohen, B.S., Boston University, 1969. Speech.
 Christine Cohrs, B.A., Carleton College, 1969. Speech.
 Sharon Poe Conger, B.S., West Virginia University, 1968. Speech.
 Roland Coronado, B.A., Northeastern Illinois State College, 1969. Spanish.
 Karen Anita Corsey, B.A., Glassboro State College, 1967. English.
 Suzanne Wineke Cross, B.S., Northwestern University, 1957. Education.
 Carol Hunter Davis, B.S., Purdue University, 1957. Education.
 Diane J. Deering, B.A., MacMurray College, 1968. English.
 Jerome Herbert Delamater, B.A., Rutgers University, 1964. Speech.
 Vivian DeLoatch, B.A., Hampton Institute, 1968. Education.
 Paul M. Devos, M.A., University of Louvain, 1969. Economics.
 Thomas Rogers Dewar, B.A., Northwestern University, 1970. Sociology.
 Linda Foster Drews, B.A., University of Illinois, 1970. English.
 Elizabeth A. Drugan, B.S., Villanova University, 1962. Education.
 Hedwig T. Durnbaugh, Eq. of B.A., Sprachschule Kautetzky, 1951. German.
 Jay A. Edelnant, A.B., MacMurray College, 1970. Speech.

NORTHWESTERN UNIVERSITY

- Joan Sered Elisberg, B.S., Northwestern University, 1948. Education.
 Richard M. Endress, B.A., Purdue University, 1970. Anthropology.
 Stephen W. Englander, B.A., Northwestern University, 1970. Education.
 Sandra Lee Engstrom, B.S., Northern Illinois University, 1970. Mathematics.
 Ronaine C. Erickson, B.S., Northwestern University, 1970. English.
 Randall Lee Ericson, B.A., Westmont College, 1969. Philosophy.
 Joan Esposito, B.A., College of the Holy Names, 1967. Philosophy.
 Audrey Ewing, B.S., University of Missouri, 1950. Speech.
 Janice Miller Fairchild, B.S., Northwestern University, 1970. Speech.
 Marianne Fearn, B.A., University of Colorado, 1959. Speech.
 Jane L. Feder, B.A., Case Western Reserve University, 1970. Mathematics.
 Geraldine Rae Fehst, B.A., University of Illinois, 1970. English.
 Francis H. Fernandez, B. of Commerce, University of Kerala (India), 1961; M.S., Loyola University, 1966. Economics.
 Louis David Finkelstein, A.B., Rutgers University, 1969. Mathematics.
 Judith S. Flaxman, B.A., City College of New York, 1969. Psychology.
 Connie Fletcher, A.B., Loyola University, 1970. English.
 Vernon W. Ford, Jr., B.S., Northwestern University, 1968. Sociology.
 Brenda Jean Briggie Forster, B.S., University of Illinois, 1968; M.S., 1970. Sociology.
 Charles T. Franckle, B.A., University of South Florida, 1970. Economics.
 Evelyn Hava Frank, B.A., Roosevelt University, 1966. Education.
 Alan I. Frishman, B.S., City College of New York, 1966. Economics.
 James Alan Fruehling, B.A., Northwestern University, 1968. Education.
 Elke Charlotte Furthman, B.A., Fordham University, 1970. German.
 Suzanne Galler, A.B., University of Michigan, 1958. Speech.
 Margaret D. Garrett, B.S. in Ed., Illinois State University, 1957. English.
 Lawrence John Gianinno, B.A., Boston College, 1970. Education.
 James Redmond Gibbons, B.S. in Ed., Eastern Illinois University, 1966. English.
 Mary Gay Gibson, B.S., University of Nebraska, 1970. Speech.
 Barbara Virginia Giddle, B.A., Southern Methodist University, 1968. Speech.
 Carolyn de Swarte Gifford, B.A., Northwestern University, 1969. History and Literature of Religions.
 Sheldon Goldenberg, B.A., University of Toronto, 1968. Sociology.
 Angel González-Alorda, Eq. of B.A., Facultad Filosofica, 1963. Speech.
 Caren Gordon, B.A., McGill University, 1966. Speech.
 Patricia Chapman Graham, B.A., Loyola University, 1966. Classics.
 Diane Kathryn Grant, B.S. in Ed., Northern Illinois University, 1968. Speech.
 Philip E. Graves, A.B., Indiana University, 1968. Economics.
 Johanna L. Grimes, B.A., Virginia State College, 1969. English.
 Gloria D. Guiney, B.S., Purdue University, 1954. Speech.
 Myrna Joy Gurnick, B.A., Indiana University, 1968. English.
 Dennis D. Habel, A.B., Wheaton College, 1961; B.S. Anderson College, 1964. Religion.
 Margaret Lynn Hall, B.A., University of New Hampshire, 1970. Speech.
 Sang En Han, B.D., Missouri School of Religion, 1968; B.Th., Hankuk Theological Seminary, 1964. Religion.
 Diane Dutton Haney, B.A., Albion College, 1958. Speech.
 Bernard A. Hanley, B.A., Northern Illinois University, 1966. Speech.
 Jennifer Fox Harrison, B.S., Northwestern University, 1969. Speech.
 Shirley Lois T. Hattis, B.A., University of Illinois, 1949. Spanish.
 Anna C. Rudziewicz Heery, B.A., St. Xavier College, 1970. Speech.
 Steven R. Helfgot, B.A., Washington University, 1969. Education.
 Edith H. Heller, B.A., North Park College, 1968. German.
 W. Joseph Hetherington, B.A., LaSalle College, 1969. English.
 Terese F. Hieber, B.S., Northwestern University, 1969. Speech.
 Thomas Grant Hill, B.S., Miami University, 1970. Speech.
 William Hipps, B.A., St. Vincent College, 1966. Mathematics.
 Peter K. Hixson, B.S., Northwestern University, 1970. Speech.
 Dana Hunter Hodgdon, B.A., Lehigh University, 1968. Speech.
 Susan Cawrse Hodgson, B.A., University of Michigan, 1964. Education.
 Barbara Jean Hoffman, B.S., St. Cloud State College, 1968. Religion.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Hubert James Horan, A.B., Fordham University, 1958. Sociology.
 Anita Landau Hurtig, B.S., Northwestern University, 1953. Speech.
 Gillian Hutchinson, B.A., University of Essex (England), 1969. Economics.
 David M. Hutt, B.A., State University of New York at Buffalo, 1970. Sociology.
 Iolani Ingalls, B.A., Principia College, 1937. Religion.
 Sherwin Janis, B.E., Chicago Teachers College, 1955. Education.
 Karim Kassam Janmohamed, B.A., University College (Nairobi), 1967. History.
 Donald Edward Jernigan, B.A., Scarrit College, 1967; M. Div., Garrett Theological Seminary, 1970. Religion.
 Baylor Laurence Johnson, B.S., University of Tennessee, 1967. Philosophy.
 Terry Jones, B.S., Georgetown University, 1966. Political Science.
 Amy Y. M. Kaan, B.A., Ashland College, 1969. Speech.
 Lionel Kalish III, B.A., Washington University, 1966. Economics.
 Susan Kamfonik, B.A., Saint Xavier College, 1969. Speech.
 Victoria L. Kaplan, B.A., University of Michigan, 1969. Education.
 Joan Harries Katsarakis, B.S., Elizabethtown College, 1943. English.
 Michael Peter Katz, B.A., University of Cape Town, 1959; LL.B., 1961; LL.M., Yale University, 1964. Sociology.
 Ira M. Kaufman, B.S., State University of New York, 1968. Sociology.
 Terrence Joseph Kelly, B.A., St. Vincent College, 1969. Philosophy.
 Lenore Julianne Kennedy, B.A., University of Illinois, 1962. English.
 Hagen Koo, B.A., Seoul National University, 1966. Sociology.
 Jean Cel Kramer, B.A., Wellesley College, 1970. Education.
 Michael Faust Krawitz, B.A., University of Pennsylvania, 1969. English.
 John Wesley Zvumunondita Kurewa, B.A., Asbury College, 1964; B.D., Garrett Theological Seminary, 1967. Religion.
 Dorothy Emilie Kurz, B.A., Wellesley College, 1968. Sociology..
 Johan Anthony Lapperre, Eq.M.A., Hooge School (Rotterdam), 1969. Speech.
 Adrienne Larkin, B.A., College of New Rochelle, 1968. Philosophy.
 Michaela M. Lazar, B.A., Elmhurst College, 1969. German.
 Hyo Koo Lee, B.A., Sogang University (Korea), 1967. Economics.
 Matthew Ross Lippman, B.A., American University, 1970. Political Science.
 Katherine Mason Logsdon, B.S., Ohio State University, 1968. Education.
 William Shelley Longwell, B.S., Ohio State University, 1967. History.
 Henri Raymond Lorie, Eq. of B.A., Université Catholique of Louvain (Belgium), 1969. Economics.
 Elaine Gray Loseff, B.S., Northwestern University, 1952. Education.
 Richard Adam Ludwin, B.A., Miami University, 1970. Speech.
 Zenaida P. Lumba, B.A., Silliman University, 1964. History.
 Mary O'Hare Luster, B.A., Mundelein College, 1963. Education.
 Enid Gail Magidson, B.A., University of Michigan, 1966. Political Science.
 Albert F. Majeres, B.A., University of Illinois, 1969. Economics.
 Deborah Weinstein Manaster, B.A., Simmons College, 1968. English.
 Jeffrey Hunt Mantel, B.A., Washington University, 1970. Mathematics.
 Alan Richard Martin, B.A., University of Washington, 1970. English.
 MaryAnn Maziak, A.B., University of Chicago, 1968. Speech.
 Paul F. McCleary, B.D., Garrett Seminary, 1956. Religion.
 William Arthur McCormick, B.A., University of South Florida, 1963. Speech.
 Ronald Gordon McCready, B.A., University of Michigan, 1970. History.
 Bruce Edward McDade, B.S., Towson State College, 1970. Speech.
 William Craig McGaghie, B.S., Western Michigan University, 1969. Education.
 Helen Sullivan McKinley, B.A., Northwestern University, 1941. Speech.
 Keith Robert McLaren, B.E., Monash University (Australia), 1969. Economics.
 Robert E. McLaughlin, B.A., St. Mary of the Lake, 1963; M.A., 1965. Speech.
 Michael Edward McNett, B.A., University of Illinois, 1970. English.
 Adrienne Meisel, B.S., University of Illinois, 1968. Speech.
 Karen Ann Meyer, B.A., Hunter College, 1969. Speech.
 Ann Virginia Miller, B.A., Northwestern University, 1967. Economics.
 Ellen Kaye Miller, B.A., Vanderbilt University, 1968. Education.
 Elizabeth Anne Milne, B.A., University of Windsor, 1969. Economics.
 R. Steven Mintz, B.S., Polytechnic Institute, 1968. Speech.
 Casimiro V. Miranda, Jr., B.S., University of Philippines, 1966; M.A., 1968. Economics.

NORTHWESTERN UNIVERSITY

- Linda C. Monjar, B.S., Northeast Missouri State College, 1961. Speech.
 Joy Morros, B.S., Washington University, 1968. Speech.
 Dale H. Mugler, B.A., University of Colorado, 1970. Mathematics.
 Hugh James Mullenbach, B.A., Grinnell College, 1971. Anthropology.
 Cynthia Macieiski Murphy, B.A., St. Louis University, 1968. Psychology.
 Sarah Elizabeth Myers, A.B., Bates College, 1967. Art.
 Deborah Nelson, B.A., Roosevelt University, 1970. English.
 Roslyn Newman, B.A., University of Iowa, 1958. Art.
 Edward Wheelock Steele Nicholson, B.S., Northwestern University, 1961. Education.
 Judith Ann Nickel, B.A., University of Illinois, 1970. History.
 Patricia Press Nissen, B.S., Northwestern University, 1970. Speech.
 Elyse Ann Nowak, B.A., Loyola University, 1968. Speech.
 Enrique Ogliastri-Urbe, B.S., Universidad Industrial de Santander, 1965; M.B.A.,
 Universidad de Navarra, 1967. Sociology.
 Kwaku Samuel Oklu, B.S., Antioch College, 1968. Philosophy.
 Claire Louise Olsen, B.A., University of Minnesota, 1969. Economics.
 David A. Orr, B.A., University of Louisville, 1967. Philosophy.
 Katie Curfman Orr, B.S., Purdue University, 1969. Speech.
 Don R. Osborn III, B.A., Miami University, 1968. Psychology.
 Sandra G. Page, B.A., Vanderbilt University, 1970. Slavic.
 A. Rod Paolini, B.A., Beloit College, 1962. Political Science.
 Patricia Hartley Partnow, B.A., Brown University, 1970. Anthropology.
 Jacqueline Pearson, B.A., Roosevelt University, 1966. Education.
 Judith Esther Pekarsky, B.S., Indiana University, 1970. Speech.
 Matthew Anthony Pemberton, A.B., University of California, 1969. Economics.
 Raymond L. Perlman, B.A., University of Chicago, 1938; LL.B., Harvard Law
 School, 1941. History.
 Linda Jean Peterlinz, B.A., Carthage College, 1969. English.
 Claudia Lynn Petrie, B.A., Douglass College, 1965. English.
 Mark Melvin Pettersen, B.A., Illinois Wesleyan University, 1967. Speech.
 Otto Phanstiel, B.E., Brooklyn Polytechnic Institute, 1961. Education.
 Paul Nicholas Pitz, B.A., Wabash College, 1968. German.
 David Franklin Powers, B.A., Wesleyan University, 1967. English.
 Kay Campbell Pranis, B.A., Northwestern University, 1970. Slavic.
 Valerie Lynne Preston, B.A., University of Saskatchewan, 1967. Education.
 Gus A. Prochazka, B.S., Northwestern University, 1970. Education.
 Peggy Ann Randall, B.S., Northwestern University, 1953. Education.
 Marie Riemitis, B.A., Merrimack College, 1970. Mathematics.
 Risa Sacks, B.S., Northwestern University, 1968. Speech.
 Mary Anne Sadowski, B.A., College of New Rochelle, 1968. Philosophy.
 Karen Benensohn Sager, B.A., Northwestern University, 1969. English.
 Irene Teiko Saito, B.A., University of Puget Sound, 1965. Religion.
 Clinton Robert Sanders, B.A., University of Connecticut, 1967. Sociology.
 Alex S. Sarkisian, B.S., Northwestern University, 1949. Speech.
 Donna Lee Sax, B.A., Northwestern University, 1969. Geography.
 David A. Schaefer, B.S., Miami University, 1970. Economics.
 Michael John Schaffer, B.A., Grinnell College, 1970. History.
 Alvin James Schexnider, B.A., Grambling College, 1968. Political Science.
 Marie Schilling, B.A., Smith College, 1964. Education.
 Elaine Marie Schuster, B.A., Mundelein College, 1968. Education.
 Evelyn Martha Schwanke, B.A., Northwestern University, 1967. English.
 E. Ann R. Scott, B.A., Northwestern University, 1969. Education.
 Barbara Targ Seeder, B.S., Northwestern University, 1970. Speech.
 Cheryl Diane Seifert, B.S., Chicago State College, 1970. Education.
 Patricia Carla Senne, B.A., University of Denver, 1969. English.
 Meir Maynard Sereb, B.A., Roosevelt University, 1968. Speech.
 Janet B. Severson, B.S., Northwestern University, 1947. Sociology.
 Mary Sexton, B.A., Barat College, 1969. English.
 June Schott Shelley, B.F.S., School of the Art Institute of Chicago, 1949; B.A.E.,
 1963. Art.
 Arline Silverman, B.S., University of Iowa, 1950. Education.
 L. Garner Simmons, B.A., Colgate University, 1965. Speech

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Julie Ann Sinreich, B.A., Queens College (C.U.N.Y.), 1970. English.
 Edward A. Slough, B.A., New York University, 1969. Philosophy.
 Sandra Lee Smigiel, B.A., Augustana College, 1969. Speech.
 R. Michael Smith, B.A., Kansas State University, 1969. Political Science.
 Teri Adrienne Smith, B.A., Brooklyn College, 1970. Speech.
 Linda Lee Snodgrass, A.B., West Virginia University, 1970. Speech.
 Lance R. Sobel, B.S., Tufts University, 1964. Psychology.
 Jean M. Solomon, B.S., University of Illinois, 1951. Speech.
 Gregory J. Stack, A.B., University of Detroit, 1968. Anthropology.
 Gerald Miller Stahl, B.S., Massachusetts Institute of Technology, 1967. Philosophy.
 Richard S. Steinberg, B.A., Lake Forest College, 1970. History.
 Dale G. Stern, B.S., University of Wisconsin, 1954. Speech.
 M. Ronald Stiff, B.M.E., Cornell University, 1963; M.B.A., University of Chicago, 1969. Sociology.
 Douglas Wayne Stott, A.B., Davidson College, 1970. German.
 Keith G. Strigrow, A.B., Harvard University, 1966; M.Div., Garrett Theological Seminary, 1968. Religion.
 Aleta Dionne Styers, B.A., New York University, 1954. Economics.
 Carole Ryan Sullivan, B.S., Northwestern University, 1966. Speech.
 Richard Alan Swanson, B.A., Bethel College, 1970. Anthropology.
 Chirstopher Latimer Sweet, B.A., Northwestern University, 1970. English.
 Dolores Evonne Taureck, B.A., Mundelein College, 1968. Education.
 Christopher Jacob Thaiss, B.A., University of Virginia, 1970. English.
 Stella Antonia Theophilus, B.A., University of Illinois, 1968. Art.
 Alan Joseph Thomas, B.A., University of Illinois, 1970. Speech.
 Phyllis Lee Thorpe, B.S., Northwestern University, 1970. Speech.
 Georgene Helen Thousandfriend, B.A., Northwestern University, 1969. History and Literature of Religions.
 Mary Josephine Trager, B.A., Syracuse University, 1964. English.
 Karla Elizabeth Treckel, B.A., Kent State University, 1970. German.
 Pamela Jean Trent, B.A., Mundelein College, 1970. Education.
 Margaret L. Tweeddale, B.A., B.S., Oregon State University, 1969. Speech.
 Robert Thomas Ullmann, B.A., Wayne State University, 1969. English.
 Barbara Sophie Urbanczyk, B.A., Northwestern University, 1970. English.
 Linda English Urman, B.A., University of Illinois, 1970. English.
 Cynthia Connell Utter, A.B., Indiana University, 1968. English.
 Rosemarie Vecchio, B.A., Massachusetts State College, 1970. English.
 Christopher Thomas Vecsey, B.A., Hunter College, 1970. History and Literature of Religions.
 Klara Wajnberg, B.A., Moscow Library University, 1943. Slavic.
 Alice A. Walker, B.A., Mundelein College, 1953. Education.
 Gloria T. Wallach, B.S., The City College of New York, 1967. Education.
 David William Wallgren, B.S., Indiana University, 1966. Education.
 Joanne E. Warren, B.S., De Paul University, 1970. Speech.
 Anne D. Weinstein, B.A., Northwestern University, 1964. English.
 Richard S. P. Weissbrod, A.B., Harvard University, 1968. Economics.
 Grace E. Welch, B.A., University of Illinois, 1970. English.
 Charles Henry West, B.A., Carleton College, 1969. Mathematics.
 Robert Craig West, A.B., University of Missouri, 1969. Economics.
 Mary Claire Whitaker, B.A., Denison University, 1968. Speech.
 Anthony Paul Wiczorek, B.A., University of Idaho, 1970. English.
 Joan Ames Wildman, B.A., Scripps College, 1970. English.
 Juanita June Winters, B.A., Huntington College, 1966. Religion.
 Joseph Peter Zbilut, B.A., Loyola University, 1970. Slavic.
 Shirleen Irma Zerbe, B.S., Indiana University, 1969. Speech.
 Jennifer R. Zvi, B.S., University of Minnesota, 1967; M.S., University of Illinois, 1968. Speech.

NORTHWESTERN UNIVERSITY

MASTER OF ARTS IN TEACHING

Barbara Reynolds Butler, B.A., Northwestern University, 1969. Education.
Barbara Coe Fox, B.A., University of Colorado, 1969. Education.
Pamela Bolotin Joseph, B.A., Lawrence University, 1969. Education.
Frances R. King, B.A., University of Illinois, 1967. Education.
Donna Lynn Miller, B.A., Dickinson College, 1968. Education.
Kathleen Brennan Mullerheim, B.S., Loyola University of the South, 1969. Education.

MASTER OF FINE ARTS

William Temple Davis, B.A., Lawrence University, 1969. Speech.
Stephen Andrew Loomis, B.A., Elmhurst College, 1969. Speech.
Douglas Turner McCullough, A.B., Hope College, 1964; M.A., Northwestern University, 1966. Speech.
Carol Jane Roth, B.A., University of Illinois, 1969. Art.

MASTER OF SCIENCE

Peter Michael Abdella, B.S., Wheeling College, 1970. Chemistry.
Hussein Roshdi Abozena, B.S., Alexandria University (Egypt), 1964. Mathematics.
James Mark Adrian, B.S., Iowa State University, 1969. Electrical Engineering.
Charles Yaw Adu-Baah, B.A., University of Ghana, 1969. Geography.
Robert George Aitken, B.S., Fordham University, 1966. Physics.
James Riley Allen, B.S.E.E., Rose Polytechnic Institute, 1969. Electrical Engineering.
John Edward Allers, B.S., Case Western Reserve University, 1969. Electrical Engineering.
Robert James Altizer, B.A., University of California, 1970. Astronomy.
John Edward Anderson, B.S., Northwestern University, 1969. Civil Engineering.
John Andrew Anton, B.A., University of Chicago, 1968. Chemistry.
Robert Allen Bailey, B.S., Northwestern University, 1969. Mechanical Engineering.
Bruce R. Barkstrom, B.S., University of Illinois, 1966. Astronomy.
Robert James Bastasz, B.A., Carleton College, 1970. Chemistry.
Charles Donald Beard, A.B., Washington University, 1966; D.D.S., 1969. Dentistry.
Jacques G. Bergeaud, Eq. of B.S., Ecole d'Ingenieurs, 1969. Civil Engineering.
Z. Samuel Bernstein, B.S., University of Chicago, 1969. Mathematics.
Helmuth Karl Beutel, B.S., University of Wisconsin, 1964. Mechanical Engineering and Astronautical Sciences.
Sharon Ruth Blice, B.S., Samford University, 1969. Mathematics.
Louis S. Block, B.A., University of Florida, 1969. Mathematics.
Christopher Bull, Sc.B., Brown University, 1970. Chemistry.
Juan A. Bustillo, Eq. of B.S., Universidad Catolica Andres Bello, 1963; M.P.A., Indiana University, 1965. Management.
Paul Dominic Carestia, B.S., Colorado State University, 1969. Electrical Engineering.
Margaret Mary Carney, B.A., Northeastern Illinois State College, 1969. Biological Sciences.
Richard Gregory Carr, B.S., Miami University, 1969. Computer Sciences.
Mark Joel Carter, B.S., University of Illinois, 1969. Chemistry.
Ronald P. Cenker, B.S., Pennsylvania State University, 1969. Electrical Engineering.
Sung Ki Cha, B.S., Hanyang University, 1968. Industrial Engineering.
Stephen Gilbert Chappell, B.S., Georgia Institute of Technology, 1969. Electrical Engineering.
Frank C. Cheston III, B.S., University of New Mexico, 1969. Electrical Engineering.
Mayfair Ming-Fun Chu, B.S., University of Wisconsin, 1970. Chemistry.
Larry Allen Ciupik, B.A., Northwestern University, 1970. Astronomy.
Alfonso Covarrubias-Lugo, B.S., National University of Mexico, 1968. Industrial Engineering.
Clyde Pratt Craine III, D.D.S., University of Detroit, 1969. Dentistry.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Kenton R. Cronberg, B.A., Lake Forest College, 1969. Mathematics.
 Cathy Caroline Cochran Darragh, B.S., Loyola University (New Orleans), 1969. Mathematics.
 James Arthur Darragh, B.A., Long Beach College, 1967. Mathematics.
 Perry Ashley Davison, B.S., Northeastern University, 1967. Civil Engineering.
 Richard L. Deming, B.A., Carleton College, 1968. Chemistry.
 Edward G. Detzel, Jr., B.A., University of Cincinnati, 1969. Transportation.
 Robert B. Dixon, B.S., Massachusetts Institute of Technology, 1968. Materials Science.
 William Lee Dyson, B.S., North Carolina State University, 1966. Civil Engineering.
 Charles Halsey Elmendorf IV, B.S., Cornell University, 1969. Electrical Engineering.
 Magda Abdel Razak Elnokaly, B.S., Alexandria University, 1967. Chemical Engineering.
 Gokmen Ergun, B.S., Middle East Technical University (Turkey), 1968. Civil Engineering.
 Dennis A. Fagan, B.C.E., University of Detroit, 1969. Civil Engineering.
 Robert Shi-Wen Fan, B.S., National Taiwan University, 1966. Electrical Engineering.
 Alfred Feingold, M.D., Tufts University, 1966. Biomedical Engineering.
 Deborah Ann Lynam Franke, B.A., Luther College, 1969. Physics.
 Peter Yiu-Fai Fung, B.S., McGill University, 1969. Materials Science.
 Pedro Ignacio Garcia, B.S., Cornell University, 1967. Physiology.
 Chester Stone Gardner, B.S., Michigan State University, 1969. Electrical Engineering.
 John E. Garvin, B.E., National University of Ireland, 1969. Materials Science.
 Walter Frank Gazdzik, B.A., Northwestern University, 1970. Computer Sciences.
 Elizabeth-Louise Girardi, A.B., Wellesley College, 1952. Biological Sciences.
 Sally Pinkstaff Glickman, B.A., Miami University, 1969. Physiology.
 Richard Andrew Goggin, Jr., B.S., Lehigh University, 1958. Materials Science.
 Willey Lai-Fu Gu, B.S., Chung-Cheng Institute of Technology, 1963. Electrical Engineering.
 Sergio Arturo Guerrero Reynoso, B.S., Universidad Nacional Autonoma de Mexico, 1968. Chemical Engineering.
 Robert Patrick Haining, B.A., Cambridge University (England), 1970. Geography.
 William A. Hansen, B.S., Illinois Institute of Technology, 1970. Mathematics.
 Jan Usterud Hanssen, B.S., Stanford University, 1968. Civil Engineering.
 William L. Harrod, B.S., Texas Technological College, 1962; M.S., Rutgers University, 1964. Materials Science.
 Philip I. Hazen, B.S., Pennsylvania State University, 1958. Civil Engineering.
 Harry Mervin Heckathorn III, B.A., Carleton College, 1966. Astronomy.
 Gary Heimbigner, B.S., University of Washington, 1969. Electrical Engineering.
 James Lloyd Hein, B.A., Northern Michigan University, 1964. Mathematics.
 James J. Hilgers, D.D.S., Loyola University Dental School, 1969. Dentistry.
 Robert E. Hlavacek, B.S., Illinois Institute of Technology, 1965. Civil Engineering.
 William More Hodgson, D.D.S., University of Missouri, 1969. Dentistry.
 Ted L. Hoffman, B.S., Pennsylvania State University, 1969. Electrical Engineering.
 David E. Hoglund, B.A., Augustana College, 1966. Mechanical Engineering and Astronautical Sciences.
 Barry D. Holm, B.S., West Virginia University, 1968. Electrical Engineering.
 Hazen L. Hoyt IV, B.S., Bucknell University, 1970. Chemistry.
 Thomas Hsiao-ling Hsiung, B.S., Tunghai University (Taiwan), 1968. Chemical Engineering.
 Patricia Anne Jacobs, B.S., Northwestern University, 1969. Industrial Engineering.
 Robert V. Jenness, B.S., Pennsylvania State University, 1969. Electrical Engineering.
 James A. Johnson, B.S., University of Notre Dame, 1968. Chemical Engineering.
 Keith Willard Johnson, B.S., Northwestern University, 1966. Electrical Engineering.
 George C. Joy III, B.A., Grinnell College, 1970. Chemistry.
 Jay M. Kaplan, B.S., University of Michigan, 1969. Electrical Engineering.
 Fatma Kavala, B.S., Middle East Technical University (Turkey), 1969. Electrical Engineering.
 Noreen Keiko Kawamura, B.S., University of Hawaii, 1965. Clinical Pathology.
 Robert William Keltgen, B.S., University of Minnesota, 1969. Computer Sciences.

NORTHWESTERN UNIVERSITY

- Michael Gregory Kennedy, B.S., Drexel Institute of Technology, 1968. Civil Engineering.
- David James Kerchner, B.A., Northwestern University, 1970. Astronomy.
- David J. Kett, B.S., University of Michigan, 1969. Mechanical Engineering and Astronautical Sciences.
- John Rotchford Kolb, B.S., University of Missouri, 1970. Chemistry.
- Frederick William Korty, B.S., College of William and Mary, 1969. Physics.
- David Clarence Koskimaki, B.S., Montana College of Science and Technology, 1967. Materials Science.
- Roger Michael Krause, A.B., University of Michigan, 1967. Psychology.
- Jeffrey Steven Kristoff, B.S., Purdue University, 1968. Chemistry.
- William J. Kroll, Jr., B.S., Northwestern University, 1967. Materials Science.
- Virginia Edith Landahl, B.S., Augustana College, 1967. Biological Sciences.
- Georges J. Larroux, B.E., Ecole Nationale Supérieure des Industries Chimiques de Nancy (France), 1969. Chemical Engineering.
- Thomas David Leavitt, B.A., Dartmouth College, 1966. Geography.
- Larry Joseph LeBlanc, B.S., Loyola University, (New Orleans), 1969. Industrial Engineering.
- Robert Howitt Leeper, Jr., B.S., The Pennsylvania State University, 1966. Geological Sciences.
- Gustavo E. Lepage D., B.C.E., Catholic University, 1955. Civil Engineering.
- Wai-bor Leung, B.S., The Chinese University of Hong Kong, 1969. Physics.
- Roger Edward Libman, B.S., Northwestern University, 1969. Electrical Engineering.
- Rosemary Linzer, B.A., Alberno College, 1966. Biological Sciences.
- Shao Han Liu, B.S., National Taiwan University, 1968. Electrical Engineering.
- James T. Lober, B.S., Penn Morton College, 1968. Civil Engineering.
- Jee-Cheong Louie, B.S., University of Utah, 1969. Civil Engineering.
- John Walter Lurtz, B.S., Michigan State University, 1969. Electrical Engineering.
- Daniel Edward Lutz, B.S., Pennsylvania State University, 1969. Electrical Engineering.
- Seyed Mehdi Mahdavian, B.S., Tehran Polytechnic Institute, 1965. Mechanical Engineering.
- Patricia Rolfs Maltese, B.A., Oklahoma City University, 1969. Chemistry.
- Albert J. Marino, B.S., Carnegie-Mellon University, 1965. Physics.
- Joel Leslie Masser, B.S., Michigan State University, 1970. Mathematics.
- John Barkley Mattingly, D.M.D., University of Louisville, 1967. Dentistry.
- Kenneth Bruce McBeath, B.A., University of Iowa, 1968. Astronomy.
- W. Tobin McCracken, B.E.E., Ohio State University, 1968. Electrical Engineering.
- John D. McLean, B.S., Lehigh University, 1969. Electrical Engineering.
- Edith Mary McMahon, B.A., Albertus Magnus College, 1969. Mathematics.
- Marie-Teresa Melluzzo, B.S., Cornell University, 1968. Materials Science.
- George Wiles Middlekauff, B.A., Northwestern University, 1966. Psychology.
- James Alan Miller, B.S., Northwestern University, 1969. Electrical Engineering.
- Steve Julius Mitchem, B.S., Clemson University, 1969. Electrical Engineering.
- John Marvin Moffitt, D.D.S., Baltimore College of Dental Surgery, 1969. Dentistry.
- Harry Edward Mussman, B.S., University of Michigan, 1968. Electrical Engineering.
- Richard Nadel, B.A., Harpur College, 1970. Mathematics.
- Steven Nahamias, B.S., Columbia University, 1968. Industrial Engineering.
- Leonard J. Najjar, B.S., Valparaiso University, 1969. Civil Engineering.
- Ashok Laxmanrao Nalamwar, B.Tech., Indian Institute of Technology, 1969. Electrical Engineering.
- John Joseph Natalini, B.S., Villanova University, 1966. Biological Sciences.
- Charles Joseph Neuhauser, B.S., Notre Dame University, 1968. Electrical Engineering.
- Ralph John Nuismer, B.S., Northwestern University, 1966. Theoretical Mechanics.
- Kirsti Annikki Paavola, M.S., University of Turku (Finland), 1969. Materials Science.
- Anthony N. Patrinos, B.S., University of Cairo, 1968. Electrical Engineering.
- Thomas Joseph Peters, B.S., Regis College, 1969. Chemistry.
- F. Gerald Rawling, M.A., Trinity College (Cambridge), 1968. Geography.
- James Leslie Reed, B.S., University of Illinois, 1969. Chemistry.
- Frederick A. Reusch, B.S., Clarkson College, 1969. Industrial Engineering.
- Roy R. Rezac, B.S., Illinois Institute of Technology, 1969. Electrical Engineering.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Richard Lee Rothrock, B.S., University of Washington, 1968. Electrical Engineering.
 Richard Calvin Roush, B.S., University of Iowa, 1957; D.D.S., 1963. Dentistry.
 Paul John Rutkowski, B.E.E., University of Detroit, 1969. Electrical Engineering.
 Joseph Patrick Ryan, B.S., University of Notre Dame, 1951. Mechanical Engineering.
 Paul Martin Rybski, B.A., Cornell College, 1966. Astronomy.
 Michael George Samuchin, B.Arch., University of Illinois, 1969. Civil Engineering.
 Richard McDonald Sander, B.A., University of Washington, 1969. Transportation.
 James Alan Schuyler, B.A., Northwestern University, 1968. Industrial Engineering.
 James Alan Schuyler, B.A., Northwestern University, 1969. Industrial Engineering.
 Richard C. Scime, B.Eng., McMaster University, 1968. Materials Science.
 John Michael Sebeson, B.S., Michigan State University, 1969. Electrical Engineering.
 Richard W. Sevcik, B.S., University of Illinois, 1969. Electrical Engineering.
 John J. Shaughnessy, B.S., Loyola University, 1969. Psychology.
 Caroline Compton Sigman, B.A., Wellesley College, 1968. Chemistry.
 Russell E. Steinke, B.S., University of Florida, 1968. Electrical Engineering.
 Yasuo Suzuki, B.A., Tokyo University, 1958. Chemical Engineering.
 Pinyo Talaenoi, B.Comm, Chukalongkorn University (Bangkok), 1961. Transportation.
 Marc Stern Taylor, B.A., Boston University, 1970. Engineering Science.
 Cyril B. Tellis, Eq.B.S., University of Bombay, 1966. Chemical Engineering.
 Richard P. Terrell, B.Sc., University of Notre Dame, 1970. Chemistry.
 James Everett Thomas, B.S., Clemson University, 1969. Electrical Engineering.
 William Thomas Timmons, B.S., University of Texas, 1969. Electrical Engineering.
 Cary Allan Trlica, B.S., Texas A & M, 1969. Electrical Engineering.
 Kung-Chow Tsai, M.S., National Taiwan University, 1966. Civil Engineering.
 John B. Urenko, B.S., Pennsylvania State University, 1970. Mathematics.
 John Alvan Voelker, B.A., University of Wisconsin, 1968. Mathematics.
 Michael V. Vogel, B.S., University of Pittsburgh, 1969. Mechanical Engineering.
 Minoru Wada, B.Eng., Tokyo Institute of Technology, 1969. Materials Science.
 Carol Jean Wagner, B.A., Northwestern University, 1970. Computer Sciences.
 John Andrew Warner III, B.S., Princeton University, 1968. Civil Engineering.
 Lawrence Wasserman, B.S., University of Chicago, 1969. Industrial Engineering.
 John S. Wilkes, Jr., B.A., State University of New York at Buffalo, 1969. Chemistry.
 Lynn D. Wills, B.S., New Mexico State University, 1969. Mechanical Engineering.
 Shiang Ming Wu, B.S., National Taiwan University, 1967. Electrical Engineering.
 Hisao Yamauchi, B. of Engr., University of Tokyo, 1969. Materials Science.
 Shih-Chien Yang, B.S., National Taiwan University, 1967. Electrical Engineering.

THE DIPLOMAS

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by ACTING DEAN LAURENCE H. NOBLES

DIPLOMA IN ARTS AND SCIENCES

Richard Charles Beckert
Ronald Norbert Ben
John William Mecca

Patricia Ann Nelson
Leta Budelskis Rhone
Hunt Unger

THE SCHOOL OF DENTISTRY

Candidates presented by DEAN GEORGE W. TEUSCHER

DIPLOMA AS DENTAL HYGIENIST

Judy Elvetta Bender
Carol Lynn Breit
Jeanne Ann Camplin
Roberta Lynn Dorf
Kathy L. Dykes
Benita June Folkman
Eloise Bell Frye
Terri Gong
Dianne Martha Harris
Cheryl Rae Herbst
Donna Janina Jepson
Roberta Ann Kaefer

Nancy Ann Kornacker
Katherine Annetta Lohman
Karen Lynn Maloney
Susan Cheryl Morros
Marcia Diane Rennels
Sharyn Jan Rothenberg
Susan Kay Runyon
Susanne E. Suckow
Susan Ann Valasek
Elaine Lucille Watson
Terry M. Yee

THE SCHOOL OF BUSINESS

Candidates presented by DEAN JOHN A. BARR

DIPLOMA IN BUSINESS

Robert Douglas Adams
Stanley Frank Barnat
Ronald Carlton Brantner
Peter Michael Bulka
Richard Murray Cramer
Robert John Dettloff
Paul Edward Haupt, Jr.
John Curtis Manders

Joan Audry McFarlane
Anne W. McGrath
Kevin Eugene Moran
John William Obmascik
James Edward Paquin
George David Potter, Jr.
Stanley William Stec, Jr.
Lief Knute Thorsen, Jr.

DIPLOMA IN ACCOUNTING

Richard Edward Ciecko
John Stephen Collins
Bruno Stanley Dobrinski
Jay Carrington Gould
Arthur Joseph Heisen

Robert Joseph Klepitsch
Glen Eugene Pippenger
Arthur S. Pollak
Henry Zielinski
LeRoy Richard Zolner

THE TRAFFIC INSTITUTE

Candidates presented by DIRECTOR JAMES M. SLAVIN

DIPLOMA IN TRAFFIC POLICE ADMINISTRATION

James Adair
John A. Ananich
James A. Arena
Darrel E. Bailey
Bernard H. Barker
Donald R. Bartlett
Jerome J. Blied
Leaston V. Booker
Kenneth N. Carpenter
Henry H. Clark
Robert A. Cochran
Phillip J. Colvard
Thomas L. Conroy
William J. Craven
Philip J. Davis
Benny R. Dickison
Ralph T. Dixon
Dale Douglas
Ronald E. Edwards
David H. Elmore
Bobbie J. England
Arthur R. Enteman
Karl L. Filachek
Roy D. Finch
James E. Fitzgerald
Richard B. Foote
Andre Gendron
Stanton C. Givens
Clifford R. Goff
Maurice D. Goodwin, Jr.
Franklin E. Grant
William J. Grant
Gerald H. Guest
Harold J. Harkins
Michael X. Harrington
Richard A. Horwood
Paul A. Jones
Milton V. Juenger
Obaid-Ur-Rahman Khan
Duane M. Kramer
Howard F. Kuhlman
Donald L. Leach
Carval Legursky
Jesse R. Leitzel
James D. Martin
Frank P. Masterson
Marvin A. Maxwell
James C. McCrite
George A. McMahon
Bernard J. Moran

Lynn C. Murphy
Arland E. Nelson
Donn L. Olson
Milo L. Olson
Joseph G. Pandos
Lowell D. Parker
Sam D. Peach
John K. Pearce
Robert G. Penman
John M. Philp
Brian Porter
Lucius A. Powell
Cecil L. Price
Thomas M. Price
William S. Reid, Jr.
James R. Reilley
Bernard J. Roberts
Charles E. Robinson
Andrew L. Rodez
Robert E. Roller
John T. Ross
John E. Safford
William T. Sanders
Craig D. Sandler
August H. Schwiesow
H. Jose Seijas
Wesley J. Shaw III
Rodger F. Simon
Irvin B. Smith, Jr.
Michael P. Somero
John Sparkenbach
Martin J. Stankowicz
Lee R. Stanley
James W. Stout
Lavern E. Taft
Syd Fong Tang
Arthur Taylor
Early C. Thomas
Stephan Timchula
Herman P. Tsosie
Bruce E. Usher
Robert M. Van Horst
Charles E. Walker
Stephen R. Warsavage
Jack B. Weber
Harry P. Wendler
Richard A. Wiberg
Paul K. Wilkins
Zane O. Wilson
Emil Franklin Young

DEGREES GRANTED

since June 1970

Academic Year 1970-71

DOCTOR OF DENTAL SURGERY

Ronald Marple Reaburn Barber
Charles A. Jones

Donald M. Klein
James Edward Wegmann

DOCTOR OF MUSIC

With Titles of Compositions and Projects

Milton, Goldberg, B.M.E., American Conservatory of Music, 1940; M.M., Northwestern University, 1942. Violin Performance. Written Projects: *Selected Violin Works of Heinrich Biber, Johann Schnelzer, and Jacob Walther; Selected Works of the Eastern Mediterranean Schools; Selected Violin Works with non-keyboard Accompaniment (19th Century).*

MASTER OF MUSIC

Roseann Evelyn Kasayka, B.A., College of Saint Francis, 1965.
Sister Donna Kucenski, B.M.E., Alverno College, 1966.
Alice Bliss Rohrman, B.A., University of Illinois, 1968.
Sandra Leah Seefeld, B.M., Eastman School of Music, 1968.

MASTER OF SCIENCE IN JOURNALISM

Carol Mynna Diamond, B.A., Northwestern University, 1969.
John Wayne Moore, B.A., Western Kentucky University, 1969.

THE TECHNOLOGICAL INSTITUTE

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Christopher James Collins

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Lee Elliott Bentz

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Arthur Frank Josetti

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

James Louis Fischer

COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVY

Edward Carl Challberg
Graham Richard DeVey

Joseph Gordon Miller
George Winfield Roope III

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVAL RESERVE

Patrick Beretta Briley
Daniel Lawrence Kloeppel

Richard Sylvan Olson

COMMISSION AS ENSIGN IN THE SUPPLY CORPS, U. S. NAVY

Peter Alan Banta

COMMISSION AS ENSIGN IN THE JUDGE ADVOCATE CORPS, U. S. NAVY

John David Radd

COMMISSIONS AS ENSIGNS IN THE JUDGE ADVOCATE CORPS, U. S. NAVAL RESERVE

Edward Anthony Fessler

William Christy Robb

Summer Session 1970

BACHELOR OF ARTS

Nancy Sue Artz
William Otto Bast
Andre LaRoy Bell
Ronald Joseph Berk
Gary Samuel Berman
Widmon Rubin Butler
Michael Louis Casadei
Kenneth Chiu
Carolyn Suzanne Clark
Sally Stepath Clayton
Sue Louise Cline
Daniel Mark Cohen
Mitchel Alan Cohen
Bobbie Jean Coleman
Scott Douglas Condie
Richard Allen Cummings
David Christ Dineff
Michael Vincent Fasano
Linda Louise Gartz
Nancy Meyer Gluck
Donald Carl Grenesko
Ray Joseph Grzebielski
Leslie Earl Harris
James Joseph Hogan
Sherry Grant Hyman
Wendy Jill Hozman

Charlotte Sue Johnson
Joel David Joseph
Daniel Lawrence Kloeppel
Richard Francis Kohnen
Glenda Faye Kraft
Thomas Arthur Larke
Leslie Major
Marcelle Suzanne McVay
William Wells Millar
Cheryl Sue Miller
Jeffrey Irving Mucha
Ann Christin Palm
Linda Lenore Parry
Lynn Pecora
Gloria Virginia Piner
Lonnie Steven Radcliffe
Michael Hume Rhode
Deborah Maxine Segal
Janice Ruth Sims
Bruce Allan Soukup
Susan Lynn Harman Stomp
Naomi Miriam Rose Vaisrub
George Randall Wetzel
Marc Allen White
Adrienne Eve Wolf

BACHELOR OF PHILOSOPHY

Carolyn Fifield Cavanaugh
Oliver Florence Field, Jr.
Richard Edward Gaul
Emma Elizabeth Goldsby
Mary Lee Hillman
Diane Mary Ketchledge
Nancy Hawkinson Mattson

Jack McDonald
Agnes Cecilia McKinley
Marjorie Anne Meyers
Virginia Kathleen Myerson
Edward Harvey O'Keefe
Mary Regina Wajda

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN GENERAL EDUCATION

Clarence John Gdowski

DIPLOMA IN ARTS AND SCIENCES

Doris Waller

BACHELOR OF SCIENCE IN SPEECH

Lynn Harris Anderson
Katherine Margaret Becker
Derek Evans
Robert Earl Curtis Frey
Marilyn Hare
Robert Armstrong Jackson
Joel Ellis Kanoff
Gayla Anne Kraetsch

Richard Ivan Markow
Cherry Jackson McCall
Lynn Elizabeth Myers
Susan Harris Pinsker
Cynthia Nadeau Sanders
Wanda May Schmitz
Rita Janice Solomon
William Steven Stark

DOCTOR OF DENTAL SURGERY

John J. Roblee

Rex Kib Stutznegger

DOCTOR OF MUSIC

With Titles of Compositions and Projects

Moonyeen Brown Albrecht, B.M.E., Mundelein College, 1957, M.M., Northwestern University, 1959. Composition. Written Projects: "*Vespers*" for chorus and orchestra; "*Concert Piece*" for organ; "*Three Songs*" for soprano and piano; "*Bread and Music*" for choir; "*Salve Regina*" for choir; "*Passion*" for choir. "*Three pieces for Chamber Orchestra.*"

MASTER OF MUSIC

Sue Matthews Baety, B.A., Fisk University, 1963.
Barbara Elliott Bailey, B.M., Curtis Institute of Music, 1943.
Ilona Naomi Bakay, B.M., Heidelberg College, 1941.
Geraldine Rose Beigel, B.M.E., De Paul University, 1965.
Robert Hunter Bell, B.M., University of Toronto, 1953.
Kathleen Faye Campbell, B.M., De Paul University, 1968.
Joseph Robert Celli, B.M.E., Hartt College of Music, 1967.
Truby Bernard Clayton, B.S., Fort Valley State College, 1967.
Peter Paul Crisafulli, B.M., Northwestern University, 1968.
Susan Adele Dorosh, B.A., Gustavus Adolphus College, 1969.
Lynda Jean Dunning, B.M.E., Northwestern University, 1969.
Fred Rickard Ehnes, B.S., Ball State University, 1966.
Roberta Hallie Ellis, B.A., Mundelein College, 1965.
John Duff Forbes, B.M., Northwestern University, 1969.
Deborah Jean Franklin, B.M.E., North Park College, 1969.
Donna Lucille Frederickson, B.M., Alverno College, 1967.
Florence Elizabeth Garrett, B.M.E., Millikin University, 1962.
Paul Edward Geiger, B.M., University of Iowa, 1969.
David Lee Gibson, B.M., North Texas State University, 1967.
Joanne Clare Graf, B.M.E., Northwestern University, 1969.
Charles Brewster Hawes, B.M.E., Northwestern University, 1967.
Virginia Ellen Hussey, B.M., Concordia College, 1969.
John George Knudson, B.M.E., Northwestern University, 1969.
Constance Ann Krinke, B.A., Hamline University, 1968.
Ernest Theodore Lams II, B.A., Concordia Teachers College, 1965.
Margaret Luise Lawrence, B.A., University of Chicago, 1965.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

Sharon Marguerite Lenz, B.M.E., Northwestern University, 1968.
Margaret Rader Levy, B.M., Eastman School of Music, 1967.
Sister Bernadette Meyer, O.S.F., B.A., College of Saint Catherine, 1968.
Marguerite Bauer Morris, B.M., Northwestern University, 1969.
Harriett Rodgers O'Connor, B.A., Millikin University, 1950.
Leroy William Pabst, B.S. in Ed., Concordia Teachers College, 1964.
John Michael Palmer, B.M., Acadia University, Nova Scotia, 1964.
Samuel Winford Prather, Jr., B.A., Arkansas Polytechnic College, 1967.
Gail Ann Pratscher, B.M.E., Northwestern University, 1969.
Robert Leon Richmond, Jr., B.M.E., Denver University, 1958.
Vergie Ann Roos, B.A., Colorado State College, 1969.
Sheila Ann Roth, B.M., Alverno College, 1968.
Sandra Elaine Smith, B.A., University of West Florida, 1969.
Miriam Paula Tucker, B.M., Wesleyan College, 1968.
Paul Adrian Vander Weele, B.M., Eastman School of Music, 1967.
Yohichi Yamamoto, B.A., Tokyo University of Arts, 1965.

BACHELOR OF MUSIC

Patrick Jerry Holland	James William Koenig
Lucille Meyer Hutchins	Jeffrey Wasson

BACHELOR OF MUSIC EDUCATION

Gary Alan Brown	Gary Dee Ross
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MASTER OF BUSINESS ADMINISTRATION

Gary Dean Albrecht, B.S.M.E., Iowa State University, 1965.
Carol Mary Kilgore Barnes, B.A., University of Puget Sound, 1951.
James Alan Bingham, B.A., Manchester College, 1960.
Craig Edward Burroughs, B.S., Iowa State University, 1965.
John Patrick Currid, B.B.A., Pace College, 1967.
Thomas Edward Epley, B.S.M.E., University of Cincinnati, 1963.
Frank Joseph Habic III, B.S., United States Military Academy, 1961.
Thomas John Hartwick, B.S.E. (E.E.), University of Michigan, 1965.
Viswanath Khaitan, Bachelor of Mechanical Engineering, Jadavpur University, 1965;
M.S., Illinois Institute of Technology, 1967.
Eliot Robison Long, B.A., Wabash College, 1965.
Charles Bruce McGrannahan, A.B., Duke University, 1956; B.S., Tulsa University, 1961.
Frank Michael McKinney, B.B.A., Southern Methodist University, 1967.
George Robert Myers II, B.B.A., University of Texas, 1970.
Neil Henry Miller, B.S. (Economics), University of Illinois, 1968.
Delmar Rogers, Jr., A.B. (L.A.S.), University of Illinois, 1963.
Robert Louis Serber, B.S.B.A., Washington University, 1969.
Edward Sherman, B.S. (Chemistry), University of Illinois, 1940; M.S., Lehigh University, 1947; Ph.D., 1949.
Daniel Albert Slaman, B.S.B.A., Roosevelt University, 1967.
John Dirk Vos, B.S.B.A., Northwestern University, 1969.
Morris Walter Westerhold, B.S. (Mechanical Engineering), University of Illinois, 1967.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Peter Alan Banta	Peter Harold Larson
John William Eckert	Richard Minoru Yamada

NORTHWESTERN UNIVERSITY

BACHELOR OF BUSINESS ADMINISTRATION

Bruce George Baumberger
John Robert Bazzoni
Thomas Alvin Beasley, Jr.
Gordon James Beaudoin
William Geyer Biegler
Edward Joseph Carr
Raymond Chalmer Clark
Roger Joseph Daniels
Dorothy Levitan Huffman
Robert Joseph Jacob
Edward Bennie Kalinski
Warren William Karberg, Jr.
Peter James Kippes

James Walter Kociak
John Alden Kolden
William Michael Koski
Raymond Joseph Lenart
William Martin Lundstrom
Mathilde Frida Moegle
John Nelipovich, Jr.
Oliver Ray Orr
Donald Francis Schilf
Edgar Charles Sebring, Jr.
Jaycee Sonne
Augustine John Stiglich, Jr.
Walter Paul Trock III

DIPLOMA IN ACCOUNTING

Heskel Bahary
Ann Jean Bulinski

Martin Theodore Mack

DIPLOMA IN BUSINESS

Eugene Philip Geoffrion
Julia Neel Tashjian

Richard Andrew Urban

BACHELOR OF SCIENCE IN JOURNALISM

Cynthia Carol Coleman
Suzanne Joy Permesly

Barry Rex Petersen
Andrew Lawrence Rogal

BACHELOR OF SCIENCE IN EDUCATION

Kathleen Miller Davis
Jacqueline Terese Dzierzak
Susan Martha Francies
Alan Robert Janulis
Thomas Michael Klein

Anthony Francis Mullins
Marcia Gail Role
Lynn McAnary Shell
Valerie Ann Valentine
Wilson Douglas Williamson

THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

- Nuru-deen Oladapo Alao, B.A., University of Ibadan (Nigeria), 1965; M.S., Northwestern University, 1968. Geography. *Some Problems in Axiomatic Theory of Location and Regional Economic Growth.*
- Robert Henry Arnold, B.S., Northwestern University, 1966. Management. *An Examination of the Needs of Terminal Decision Units: A Management Information Systems Approach.*
- Sara Ann Barnhart, B.F.A., Ohio University, 1967; M.A., Northwestern University, 1969. Speech. *The Effects of the Locus of an Ideal Behavioral Model and Video-Tape Self-Confrontation Upon Self-Concept and Group Behavior.*
- David Marshall Barry, B.A., College of William and Mary, 1961. Economics. *Indigenous and Foreign Bank Behavior in Nigeria.*

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Richard Timothy Barth, B.S., University of Kansas, 1960; M.S., Stanford University, 1964; M.I.A., Yale University, 1967. Industrial Engineering. *The Relationship of Intergroup Organizational Climate with Communication and Joint Decision Making Between Task-Interdependent R and D Groups.*
- Cecilia Cloughly Baumann, B.A., Oberlin College, 1965; M.A., Northwestern University, 1967. German. *The Life and Works of Wilhelm Müller.*
- Dominic J. Bazzanella, B.A., Stanford University, 1965; M.A., San Francisco State College, 1967. English. *The Mad Narrator in Contemporary Fiction.*
- Abraham Berman, B.Sc., Israel Institute of Technology, 1966; M.Sc., 1968. Applied Mathematics. *Linear Inequalities in Matrix Theory.*
- John Frederick Betak, B.S., Arizona State University, 1964; M.C.P., The Ohio State University, 1966. Geography. *Problems of Two-Dimensional Complexity Measures.*
- Eric Henry Beversluis, A.B., Calvin College, 1966; M.A., Northwestern University, 1968. Philosophy of Education. *The Concepts and Rules of Ethics.*
- Rae Eva Lesser Blumberg, B.S., University of Illinois, 1961; M.A., Northwestern University, 1967. Sociology. *Societal Complexity and Familial Complexity: Inter- and Intrasocietal Correlates of Family Structure, Functionality and Influence.*
- James J. Bradac, B.S., Northwestern University, 1965; M.A., 1966. Speech. *The Effects of Esogenous Evaluation Potention on Participation and Cohesiveness in Groups.*
- David Brenner, A.B., Brown University, 1966; M.A., Northwestern University, 1968. Psychology. *Clinical Judgment as a Function of Experience and Information.*
- Dawson E. Brewer, B.S., Northwestern University, 1958; M.B.A., 1959. Management. *A Theory of Corporate Capital Investment, Financing, and Operating Decisions Under Conditions of Risk.*
- Gordon Leslie Brown, B.S., Northern Illinois University, 1958; M.S., University of Illinois, 1964. Education. *A Reconstructed Program of Teacher Education.*
- Thomas Howard Brown, B.S., University of Texas, 1964; M.A., 1967. Geological Sciences. *Theoretical Predictions of Equilibria and Mass Transfer in the System $\text{CaO-MgO-H}_2\text{O-CO}_2\text{-NaCl-HCl}$.*
- Kenneth D. Burgdorf, B.A., Syracuse University, 1964. Psychology. *The Meaning of Merit: Toward an Improved Operational Definition.*
- James Gerald Caplan, B.S., University of Chicago, 1962; M.S., Northwestern University, 1965. Astronomy. *Photoelectric Observations of H-Alpha in Late-Type Stars.*
- Sou-Yung Chiu, B.S., National Taiwan University, 1965. Mathematics. *On the Homology of Local Rings: Betti Series and Algebra Resolution.*
- Charles Christopher Clark, B.A., Gannon College, 1965. Biochemistry. *The Relationship Between Soluble and Insoluble Collagen from Mature Bovine Tissues.*
- Stephen George Cobb, B.A., MacMurray College, 1963; B.D., Garrett Theological Seminary, 1966. Religion. *William H. Carwardine and the Pullman Strike.*
- David Holbrook Culbert, B.Mus., B.A., Oberlin College, 1966. History. *Tantalus' Dilemma: Public Opinion, Six Radio Commentators, and Foreign Affairs, 1935-1941.*
- Allan Charles Dooley, B.A., Wabash College, 1965; M.A., Northwestern University, 1966. English. *Browning's PRINCE HOHENSTIEL-SCHWANGAU: An Annotated Edition with an Introductory Study of Napoleon III in Victorian Literature.*
- Charles Fowler Douds, B.S., Pennsylvania State University, 1953; M.S., 1957. Industrial Engineering. *The Effects of Work-Related Values on Communication Between R & D Groups.*
- Anthony Gary Dworkin, A.B., Occidental College, 1964; M.A., Northwestern University, 1966. Sociology. *Prejudice, Discrimination, and Intergroup Perceptions: Exploratory Research into the Correlates of Stereotypy.*
- Stephan Edward Ellenwood, B.A., Grinnell College, 1963; M.A.T., Brown University, 1965. Education. *A Quantitative and Qualitative Analysis of Depictions of Violence in Textbooks.*
- Carl L. Faingold, B.S., University of Illinois, 1965. Pharmacology. *A Power Spectral Density Evaluation of the Effects of the Antihistaminics and Pentylenetetrazol on the EEG of the Cat.*
- Amassa Courtney Fauntleroy, B.A., The Johns Hopkins University, 1965; M.S., Northwestern University, 1967. Mathematics. *Commutator Subgroups of Solvable Linear Algebraic Groups.*

NORTHWESTERN UNIVERSITY

- Todd Lawrence Fay, B.A., University of Michigan, 1962; M.S., Northwestern University, 1968. Psychology. *Culture and Sex Differences in Concepts of Sex Role and Self*.
- Steven Feierman, B.A., Columbia University, 1961; M.A., Northwestern University, 1962. History. *The Shambaa Kingdom: A History*.
- Lynn Frederick Fischer, B.A., George Washington University, 1962; M.A., Northwestern University, 1967. Political Science. *The Impact of Political Socialization on National Integration in Africa*.
- George M. Foster, B.A., Abilene Christian College, 1959; M.A., 1961. Speech. *Development of Rhetorical Stasis for Deliberative Speaking*.
- Mary Alice Root Freeman, B.M.Ed., Northwestern University, 1953; M.M., 1954; M.Ed., National College of Education, 1963. Education. *A Comparative Analysis of Patterns of Attitudes Among Mothers of Children with Learning Disabilities and Mothers of Children Who Are Achieving Normally*.
- J. A. Frew, B.E., University of Melbourne, 1963; M.S., 1967. Chemical Engineering. *Parameter Estimation and Control for Non-Linear Stochastic Processes*.
- Philip Charles Frost, A.B., Findlay College, 1959; M.S., Indiana University, 1965. Education. *Selected Referenda Campaigns in Evanston Township High School: A Case Study*.
- Prabha Gaiha, B.A., University of Delhi, 1963; M.A., 1965. Industrial Engineering. *Matrix Theory Over Cones in Complex Spaces*.
- Donald Jay Geman, A.B., University of Illinois, 1965. Mathematics. *Horizontal-Window Conditioning and the Zeroes of Stationary Processes*.
- Safdar Ali Gill, B.Sc., University of the Punjab (Pakistan), 1955; M.S., Northwestern University, 1962. Civil Engineering. *Load Transfer Mechanism for Caissons Socketted into Rock*.
- Dennis Edward Groh, B.A., Illinois Wesleyan University, 1961; B.D., Garrett Theological Seminary, 1965. Religion. *Christian Community in the Writings of Tertullian. An Inquiry into the Nature and Problems of Community in North African Christianity*.
- Lonnie Edward Haefner, B.A., Northwestern University, 1963; M.S., University of Illinois, 1967. Civil Engineering. *Optimal Statistical Decisions in Highway Safety Related to Geometric Design*.
- Billy Ray Hays, B.S., East Texas State University, 1963; M.S., University of Iowa, 1967. Industrial Engineering. *A Linguistic Approach to Parallelization of an Acceptor for Context-Free Grammars*.
- Allen Glenn Holcomb, B.A., St. Olaf College, 1966. Chemistry. *Kinetic Evidence for a Bishomocyclobutenium Dictation*.
- John Bernard Holton, B.S., Marquette University, 1958; M.S., Stanford University, 1963. Industrial Engineering. *Computer Based Information System for Financial Management of Local School Districts: A Design and Implementation Project*.
- Robert Dean Holtz II, B.S., University of Minnesota, 1960; M.S., 1962. Civil Engineering. *Some Effects of Stress Path and Overconsolidation Ratio on the Shear Strength Properties of a Georgia Kaolinite*.
- Douglas G. Hook, B.A., Pomona College, 1960; B.D., Union Theological Seminary, 1963; M.A., Northwestern University, 1967. Religion. *Franz Brentano's Philosophy of Religion, Especially as Developed in RELIGION UND PHILOSOPHIE*.
- Sanford D. Horwitt, B.S., Northwestern University, 1965. Speech. *Saul D. Alinsky and a Rhetoric of the Power Strategy as a Means of Social Change*.
- Michael Otto Houlahan, B.A., Yale University, 1962; M.A., Northwestern University, 1967. English. *Sexual Comedy in TRISTRAM SHANDY*.
- Yung-Hwa Huang, B.Th., Tainan Theological College, 1958; M.A., DePaul University, 1966. Psychology. *Self-Stimulation Pathways from the Lateral Hypothalamus*.
- Schuyler Watrous Huck, B.A., DePaul University, 1965; M.A., Northwestern University, 1967. Education. *Item Difficulty Level and Sequence Effects in Multiple-Choice Achievement Tests*.
- Joy N. Humes, B.S., Northwestern University, 1952; M.A., 1965. French. *Two Against Time: A Study of the Very Present Worlds of Paul Claudel and Charles Péguy*.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Donald R. Jenkins, B.S. in Ed., Illinois State University, 1958; M.A., Northwestern University, 1964. Education. *The Impact of Professional Negotiations on Illinois School Districts Having Level III Professional Negotiating Agreements: Perceptions of Superintendents, Board of Education Presidents, and Teacher Organization Presidents.*
- Maria Anne Jevitz, B.S., College of St. Francis, 1966. Microbiology. *Studies of the Correlation of IN VITRO Lymphocyte Transformation with IN VIVO Immune Responsiveness in Rabbits.*
- Michael David Johnson, B.A., Northern Illinois University, 1967. Biological Sciences. *The Microseral and Seasonal Variations in the Insect Populations of the Carrion Microcommunity.*
- Robert William Johnson, B.Sc., Brown University, 1966. Chemistry. *Kinetics, Mechanism, and Stereochemistry of the Cleavage Reactions of Alkyl and Acyl Derivatives of the Transition Metals.*
- Walter Edwin Johnson, B.S., Northern Illinois University, 1957; M.A., Northwestern University, 1960. Education. *A Conceptual Model for Evaluation of Learning Centers.*
- Alan Edward Kazdin, B.A., San Jose State College, 1967; M.A., Northwestern University, 1968. Psychology. *The Role of Instructions and Reinforcement in Generalization of Behavior Changes in Token Reinforcement Programs.*
- George E. Kelly, B.E.S., SUNY at Stony Brook, 1965. Mechanical Engineering. *A Kinetic Theory Approach to Hydrodynamic Fluctuations.*
- Marvin R. Kopulsky, B.S., De Paul University, 1953; M.B.A., University of Chicago, 1954. Management. *Impact of Tax Practices on Financial Reporting.*
- Walter F. Korte, Jr., B.A., University of Virginia, 1965; M.A., 1967. Speech. *Marxism and the Scenographic Baroque in the Films of Luchino Visconti.*
- William Krakow, B.S., University of Illinois, 1964; M.S., Northwestern University, 1966. Physics. *Extinction and Absorption Distances of Electrons in Gold Crystals.*
- Nicholas J. Krikelis, B.S., University of Athens (Greece), 1966; M.S., University of Paris, 1968. Electrical Engineering. *Optimal Control Systems Under Conflict of Interests.*
- Edward William Kruse III, B.S., Northwestern University, 1965. Materials Science. *Precipitation Strengthening of Fe₃-MgO Alloy Single Crystals.*
- Joseph C. Kulis, B.S., Loyola University, 1963; M.A., Northwestern University, 1968. Psychology. *General Testing Factors, Person-Item Distance, and the Repeated Testings Effect.*
- Ronald W. Landgraff, B.E.E., Villanova University, 1962; M.E.E., University of Delaware, 1964. Electrical Engineering. *Fault Detection, Location, and Recovery Algorithms in Maintainable Digital Systems.*
- George Wayne Larson, B.A., Baylor University, 1966; M.A., 1967. Speech. *A Study of the Differential Effects of Reinforcement Schedule, Anxiety-Trait, and Stuttering Severity Upon the Conditioning of Disfluencies in Adult Stutterers.*
- Brian Richard Lau, B.S., Northwestern University, 1965; M.S., 1967. Mathematics. *Linearized Equations of Water Waves.*
- William Joseph Layne, B.A., Morehead State University, 1962; M.A., Brigham Young University, 1965. Speech. *The Effects of Circular Dramatics on Children's Acting Skill.*
- Frances Anne Leary, B.A., Smith College, 1964; M.A., Northwestern University, 1965. History. *Islam, Politics, and Colonialism: A Political History of Islam in the Casamance Region of Senegal, 1850-1914.*
- Donald John Lehr, B.A., Michigan State University, 1959; M.S., Northwestern University, 1969. Psychology. *Spontaneous Recovery of Verbal Items as a Function of Paradigm and Type of Recall Test.*
- Norman Lifshutz, B.Ch.E., The Cooper Union, 1964; M.S., Northwestern University, 1966. Chemical Engineering. *The Rational Mechanics of Material Singularities.*
- David Benjamin Liroff, B.S., Massachusetts Institute of Technology, 1966; M.S., Brooklyn College, 1968. Speech. *A Comparative Content Analysis of Network Television Evening News Programs and Other National News Media in the United States.*
- Liu Yu-cheng, B.S., National Taiwan University, 1965; M.S., Northwestern University, 1967. Electrical Engineering. *Byte Error Correction in Memory and Arithmetic Units.*

NORTHWESTERN UNIVERSITY

- William Raymond Lowery, B.A., Wabash College, 1963; M.A., Northwestern University, 1964. English. *John Milton, Henry More, and Ralph Cudworth: A Study in Patterns of Thought.*
- Peter Michael Maher, B.E., University of Saskatchewan, 1962; M.B.A., University of Western Ontario, 1965. Management. *Some Factors Affecting the Adoption of a Management Innovation: An Experiment with the Use of a Computer-based Project Selection Technique in a Research and Development Organization.*
- John William Mallory, B.A., Northwestern University, 1957; M.A., 1962. Philosophy. *The Problem of Tragedy in Nietzsche's Early Reflections.*
- Charles Arthur Martin, B.S., Illinois State University, 1958; M.S., 1962. Education. *A Rationale for Building a Comprehensive Science Program for Inner-City Education.*
- John Arthur McComb, B.S., Michigan Technological University, 1962. Materials Science. *The Nature of Vacancy Clustering in Quenched and Aged Gold.*
- Michael Bancroft McElroy, A.B., Miami University, 1964. Economics. *Capital Gains and the Theory and Measurement of Income.*
- Ruth Michelsen McGaffey, B.A., St. Olaf College, 1953; M.A., University of Nebraska, 1955. Speech. *An Analysis of the Origin and Development of Selected Freedom of Speech Concepts.*
- Patrick Jude McGowan, B.A., University of the South, 1961; M.S., The Johns Hopkins University, 1966. Political Science. *Theoretical Approaches to the Comparative Study of Foreign Policy.*
- Lucille M. McKinney, B.S. in Ed., Washington University, 1966; M.S., 1967. Speech. *A Study of Hearing Impaired Children's Ability to Comprehend and Produce Syntax in Spoken Language.*
- Robert Cameron Mitchell, B.A., College of Wooster, 1957; B.D., Union Theological Seminary, 1960; M.A., Northwestern University, 1965. Sociology. *Religious Change and Modernization: The Aladura Churches Among the Yoruba in Southwestern Nigeria.*
- Dennis James Moore, A.B., University of Michigan, 1963; M.A., Northwestern University, 1964. English. *The Transformations of BILLY BUDD: The Making of a Modern Myth.*
- Jon Russel Moris, B.Sc., Seattle Pacific College, 1960; M.A., Northwestern University, 1964. Anthropology. *The Agrarian Revolution in Central Kenya: A Study of Farm Innovation in Embu District.*
- Bertha L. Mount, B.A., Carleton College, 1962; M.A., Northwestern University, 1964. Mathematics. *The Geometric Dimension of Complex Bundles.*
- Leonardo Nogueira, B.S., University of Brazil, 1954. Chemistry. *I. Contribution to the Mechanism of Aromatization of n-Heptane-1-14C Over "Non-Acidic" Platinum-Alumina Catalyst. II. Hydrogenolysis of 1,1-Dimethylcyclopropane and Ethylcyclopropane in the Presence of Nickel Catalysts.*
- Rosalyn Krantzler O'Cherony, A.B., Pennsylvania State University, 1944; M.A., Northwestern University, 1961. Spanish. *The Critical Essays of Jorge Mañach.*
- Melvin Yoshito Okamura, B.A., University of Hawaii, 1965. Chemistry. *The Nature of Iron in Hemerythrin.*
- Wallace Lee Oliver, Jr., B.S., California Institute of Technology, 1966. Chemistry. *I. The Conformational Preference of the P-Proton in the Phosphacyclohexane System. II. Hindered Atomic Inversion in Saturated Nitrogen Heterocycles.*
- Joseph Martin Ostroy, B.S., University of Pennsylvania, 1964. Economics. *Exchange as an Economic Activity.*
- Benjamin Woodruff Palmer, B.A., University of Connecticut, 1966; M.A., Northwestern University, 1967. French. *The Novel of Appearances: Cr billon Fils.*
- Ronald J. Patterson, B.A., Washington and Jefferson College, 1965. Microbiology. *The Role of Macrophages and Lymphocytes in Acquired Cellular Immunity to Experimental Tuberculous Infection.*
- Olgerts R. Pavloskis, B.S., Oregon State University, 1958; M.S., University of Washington, 1964. Microbiology. *The Study of Adsorption of Fatty Acid Esters of Streptococcal Group A and Group E Cell Wall Polysaccharide Antigens by Red Blood Cells and the Use of the Adsorbed Antigens in Detecting Antibodies to Group A and Group E. Streptococci.*
- Jon Martin Peterson, B.A., Lawrence College, 1958; M.S., Indiana University, 1963. Education. *Bureaucracy and Decentralization in Urban School Systems.*

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Griff D. Pitts, B.A., Pepperdine College, 1953; M.A. in Ed., Arizona State University, 1960. Education. *Values, Attitudes, Opinions, and Concerns of Subcultures of Concerned Students in an Urban Commuter College.*
- Paul D. Psilos, B.A., Boston University, 1966; M.A., Northwestern University, 1967. English. *Sidney's ARCADIA: A Critical Study.*
- Donald C. Rafferty, B.A., Carleton College, 1965; M.A., Northwestern University, 1967. Mathematics. *Random Environment Branching Processes.*
- Josephus V. Richards, B.A., Ahmadu Bello Varsity (Nigeria), 1967. Art. *Factors of Limitation in the Art Forms of the BUNDU Society of the Mende in Sierra Leone.*
- John Edward Ricks, B.S., Northwestern University, 1968. Microbiology. *The Immunobiology of the Dog: Investigations of Certain Aspects of the Canine Immune System.*
- James R. Riehle, B.S., University of Minnesota, 1966; M.S., Northwestern University, 1969. Geological Sciences. *Theoretical Compaction Profiles in Ash-Flow Tuffs.*
- Margaret Ann Ronald, B.A., Whitman College, 1961; M.A., University of Colorado, 1966. English. *Functions of Setting in the Novel: From Mrs. Radcliffe to Charles Dickens.*
- Robert A. Rosenstein, B.S., University of Illinois, 1961. Chemistry. *Time Correlation Function Approach to Proton Transfer Processes.*
- Larry V. Sant, B.S., Idaho State University, 1966; M.A., Northwestern University, 1967. Speech. *An Investigation of Variations in Air Flow Rate and Subglottal Pressure in Relation to Changes in Pitch, Intensity, and Voice Type.*
- Tanis H. Schwartz, B.S., Northwestern University, 1957; M.A., 1968. Speech. *Imitation and Judgments of Children with Language Deficits.*
- Lalita Sen, B.Sc., University College (Wales), 1965; M.S., Northwestern University, 1967. Geography. *Optimization of Plant Location and Transport Operating Decisions: A Set of Viable Models for Developing Nations.*
- Robert Wayne Shahan, A.B., Oklahoma Baptist University, 1956; B.D., New Orleans Baptist Theological Seminary; M.A., University of Oklahoma, 1962. Philosophy. *A Consideration of the Evidence Adduced by Berdyaev for the Reality and Priority of Freedom Over Being.*
- C. Frank Shaw III, B.S., University of Delaware, 1966. Chemistry. *Studies of π -Butyl and Metal-Metal Bonds of Group IV-M.*
- Anthony C. Shen, B.A., University of California, 1966. Pathology. *Experimental Myocardial Ischemia—A Dissertation.*
- Carl Paul Simon, B.S., University of Chicago, 1966; M.S., Northwestern University, 1967. Mathematics. *Non-Genericity of Rational Zeta Functions and Instability in $\text{Diff}^r(T^3)$.*
- Ronald Keith Smeltzer, B.S., Bucknell University, 1964; M.S., Northwestern University, 1968. Electrical Engineering. *Conduction in Ferromagnetic Metal Oxide Junctions.*
- Herman W. Smith, B.A., University of Maryland, 1965; M.A., The American University, 1968. Sociology. *Some Developmental Antecedents of Adult Interpersonal Behavior.*
- Daniel Theodor Spreng, Eq. of B.S., Swiss Federal Institute of Technology, 1965; M.S., University of Kansas, 1966. Materials Science. *Radiation Enhanced Diffusion in the Au-Ag System.*
- William Vaughan Stapleton, A.B., Yale University, 1961. Sociology. *Counsel in American Juvenile Courts: An Experimental Study of Lawyers in Delinquency Hearings.*
- Michael Otto Steinitz, B.Eng., Cornell University, 1965. Materials Science. *Lattice Anisotropy in Antiferromagnetic Chromium.*
- Phillip Boyd Stevens, B.S., Miami University, 1956; M.A., Northwestern University, 1961. Speech. *A Study of Kinesthetic Imagery in Selected Poetry of Theodore Roethke.*
- John Brewster Swaney, A.B., Amherst College, 1966. Chemistry. *I. Structural Studies of Human Serum Albumin. II. Isolation, Purification, and Properties of Erythrocyte Hemoglobin from CIRRAFORMIA GRANDIS.*
- Min Ming Tang, B.S., University of Chicago, 1965. Mathematics. *Singular Perturbation of Some Quasi-linear Dirichlet Problems Given in Divergence Forms.*
- Elizabeth Taylor Tricomi, A.B., University of North Carolina, 1966; M.A., Northwestern University, 1967. English. *The Search for Knowledge in the Major Novels of Charles Brockden Brown.*

NORTHWESTERN UNIVERSITY

- Judith Ellen Trost, B.S., Northwestern University, 1962; M.A., 1963. Speech. *A Descriptive Study of Verbal Apraxia in Patients with Broca's Aphasia.*
- Louis William Truschel, B.A., Pacific Lutheran University, 1965. History. *Accommodation Under Imperial Rule: The Tswana of the Bechuanaland Protectorate, 1895-1910.*
- Ronald Edward Turner, B.A.Sc., Queen's University (Canada), 1953; M.B.A., McMaster University, 1966. Management. *Perceptual Dimensions of Salesmen: A Multi-Dimensional Analysis of Call-Allocation and Sales Response Behavior.*
- Clyde M. Vinson, B.A., Howard Payne College, 1948; M.A., George Peabody College, 1951. Speech. *Imagery in the Short Stories of Eudora Welty.*
- Leonard Harold Weiner, B.S., Illinois Institute of Technology, 1964; M.S., Northwestern University, 1965. Industrial Engineering. *ASAG—An Automated Assignment, Scheduler, Analyzer, and Generator.*
- Muriel Anastasia Wikswo, A.B., Sweet Briar College, 1966. Biological Sciences. *The Effect of Colchicine and Sulphydryl Reagents on Pigment Movement in Fundulus Melanophores in Relation to the Role of Microtubules.*
- Allen Robert Wilcox, B.A., University of Chicago, 1962; M.A., Northwestern University, 1964. Political Science. *The Determinants of Public Expenditure Levels in the American States.*
- Hiroyuki Yamasaki, B.S., Keio University (Japan), 1962; M.S., Northwestern University, 1966. Electrical Engineering. *Some Properties of Semiconductor Junctions in Nonequilibrium Conditions.*
- Joanne Sanae Yamauchi, B.A., Goucher College, 1966; M.A., Columbia University, 1967. Speech. *The Effects of Interpersonal Decentering and Similarity on the Communication of Meaning.*
- Janice Edith Young, B.A., Goucher College, 1967. Biological Sciences. *Comparative Study of the Reproductive Systems of Male Brachyuran Crustacea, with Special Emphasis on Uca PUGNAX.*
- Kathleen Mary Zechmeister, B.A., Marquette University, 1964; M.S., Northwestern University, 1968. Psychology. *Determinants of Resolution of Conflict of Interest in a Stimulation of Political Decision Making.*

MASTER OF ARTS

- Don Paul Abbott, B.A., University of Redlands, 1969. Education.
- Mary W. Adams, B.S., Purdue University, 1937. Education.
- Robert Bynum Albritton, B.A., University of Alabama, 1958. Political Science.
- Judy Kay Alexander, B.A., Illinois Wesleyan University, 1967. English
- Rubén D. Alvarez, Bach. Eq., Cadet's School (Havana), 1953. Spanish.
- Liucija L. Ambrosini, B.A., University of Illinois, 1970. Speech.
- David O'Neil Anderson, B.A., Allegheny College, 1969. Education.
- Gerald C. Anderson, B.S., University of Minnesota, 1966. Mathematics.
- Kendrick Douglas Anderson, B.A., Northwestern University, 1969. Sociology.
- Sally K. Anderson, B.A., Mundelein College, 1969. Speech.
- Rebecca Gulnar Ansary, B.A., Berea College, 1968. Speech.
- Linda L. Archer, B.A., University of Northern Colorado, 1966. Speech.
- Martha L. Arey, A.B., Mt. Holyoke College, 1967. Speech.
- Lorraine Elizabeth Aseltine, B.A., Northwestern University, 1946. Speech.
- Ronald Paul Banwart, B.S., Northwest Missouri State College, 1966. Mathematics.
- Cloie Greenough Baxter, B.A., Hamline University, 1939. M.S., University of State of New York, 1958. Speech.
- John Joseph Berman, A.B., Xavier University, 1968. Psychology.
- Paul E. Birch, Jr., B.S., University of Illinois, 1964. Mathematics.
- Nancy Fleischman Block, B.A., University of Michigan, 1966. Mathematics.
- Ruth E. Bohn, B.A., Elmhurst College, 1954. Speech.
- Lynne G. Bollinger, B.A., Northwestern University, 1969. Speech.
- William P. Bridges, B.A., Ohio State University, 1969. Sociology
- Janet Sue Buchwald, B.S., Northwestern University, 1969. Speech.
- Peter W. Burnside, B.A., Dartmouth College, 1952. Education.
- Melinda Parrill Burnstein, B.A., University of Texas, 1969. Speech.
- Charles Stephenson Butler, B.A., Whitman College, 1967. Psychology.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Bonnie Phyllis Byer, B.S., University of Illinois, 1964. Speech.
 Lois A. Cantalupo, B.A., Mundelein College, 1961. Education.
 Sharon Marie Carlson, B.A., College of St. Catherine, 1965. Mathematics.
 James Gene Carpenter, B.S., St. Michael's College, 1965. Mathematics.
 Richard P. Carr, Jr., B.B.A., M.B.A., University of Texas, 1963, 1965. Sociology.
 Mary Alice Casey, B.A., St. Xavier College, 1969. Speech.
 Judith Anne Castaldi, B.A., Marian College, 1965. Speech.
 Barbara Huse Chase, B.A., National College, 1955. Religion.
 Carole J. Ciernak, B.A., Alverno College, 1967. Mathematics.
 Patricia Anne Collins, B.A., Marietta College, 1969. English.
 Catherine Bethea Cooper, B.A., Converse College, 1967. Speech.
 Pamela M. Crosell, B.A., Indiana University, 1969. Education.
 Paul John Culhane, A.B., University of Notre Dame, 1967; M.S.F.S., Georgetown University, 1969. Political Science.
 Charles Nicholas DiPuccio, B.A., Ohio University, 1969. Speech.
 Jean De Young Dons, B.A., Wheaton College, 1941. Education.
 Peter J. Doob, B.A., Knox College, 1967. Mathematics.
 Stephen Bruce Doucette, B.A., Tufts University, 1967. English.
 Bernard Francis Downs, B.A., De Paul University, 1952. Speech.
 John P. Dreiser, B.A., Marist College, 1969. English.
 Marvin Glenn Dunn, B.S., University of Wisconsin, 1966. Religion.
 Jill Suzanne Dunsdon, B.A., University of the Pacific, 1969. Speech.
 Mary Francis Edwards, B.S., Oklahoma State University, 1969. Speech.
 Joan H. Ellen, B.A., Hunter College, 1950. Education.
 Evelyn A. Eneva, B.A., State University of Sofia (Bulgaria), 1967. French.
 Sherrie Monte Fessler, B.S., University of Wisconsin, 1968. Speech.
 Sharon Mary Fitzgerald, B.A., College of St. Catherine, 1963. English.
 Joanne Marie Fitzpatrick, B.A., Duquesne College, 1960. Education.
 Daniel A. Flores, B.A., University of Illinois, 1968. Political Science.
 Laura Elizabeth Frank, B.A., St. Mary's College, 1969. English.
 Ronald D. Freund, B.A., Haverford College, 1969. Political Science.
 Margaret Frances Fries, B.A., De Paul University, 1967. French.
 Kerry Neil Frumkin, B.A., University of Wisconsin, 1969. Speech.
 Elizabeth Crooks Galfer, B.S., Northwestern University, 1967. Education.
 Susan Adams Garrison, B.A., Macalester College, 1961. Religion.
 Sheila Glen Gates, B.A., Northwestern University, 1969. History and Literature of Religion.
 Mark Joshua Gehrie, B.A., Brandeis University, 1969. Anthropology.
 Eric M. Gerdeman, B.A., St. Bonaventure University, 1960. Speech.
 Joel Arthur Goldberger, B.A., Washington Square College, N.Y.U., 1969. English.
 Carol Foy Graham, B.A., Mount Holyoke College, 1968. Education.
 Janice Sue Griffith Jones, B.A., University of Colorado, 1969. Speech.
 Paul James Guyer, A.B., Indiana University, 1967. Mathematics.
 Robert Noble Haarlow, A.B., Princeton University, 1966. Education.
 Bruce Wayne Habekamp, B.A., University of California, 1964. Political Science.
 Frances Nadine Hahn, B.A., Loyola University, 1969. Spanish.
 Bruce Marvin Haight, B.A., Kalamazoo College, 1969. History.
 Howard Walter Heidorn, Jr., B.A., Lewis College, 1968. Mathematics.
 Bluma B. Herman, B.A., Indiana University, 1950. Art.
 Freddye Lou Hill, B.A., Spelman College, 1968. Sociology.
 Esther Mohler Ho, B.A., McPherson College, 1952. Speech.
 Diane Ruth Hoffman, B.A., Colorado College, 1969. Speech.
 Susan Hosek, B.A., Cornell University, 1966. Economics.
 Richard Christopher Hula, B.A., Michigan State University, 1969. Political Science.
 Christine Jackson Hutchins, B.A., Colorado College, 1965. Art.
 Richard J. Inzana, B.A., Rutgers University, 1969. English.
 Nancy Arnold Irvan, B.A., University of Illinois, 1964. Speech.
 Natalie Jermihov, B.A., University of Illinois, 1968. Russian.
 Dalia Mary Jeziorski, B.S., De Paul University, 1966. Education.
 William Henry Johnson, B.A., University of San Antonio, 1968. Psychology.
 Jacqueline Jones, B.A., Herbert H. Lehman College, 1969. Speech.
 Donna Marie Jurick, B.A., Our Lady of Cincinnati College, 1962. Speech.

NORTHWESTERN UNIVERSITY

- Elizabeth Rust Kahl, A.B., Randolph-Macon Woman's College, 1968. Speech.
- Yusuf C. Kalindaga, B.A., East African University, 1968. Economics.
- Jay Ross Kaplan, B.A., Swarthmore College, 1968. Anthropology.
- David A. Kenny, B.A., University of California, 1968. Psychology.
- Laurie Catherine Kimbell, B.F.A., Southern Methodist University, 1969. Speech.
- Elizabeth Ann Kosar, B.A., Boston University, 1969. Classics.
- Jane Maria Kramer, B.S., Kent State University, 1967. Speech.
- Craig William Laferty, B.S., Towson State College, 1966. Mathematics.
- Linda Charlotte Larson, B.A., Missouri Southern State College, 1969. Speech.
- Linda E. Leddy, B.A., University of Illinois, 1968. English.
- Cheryl Justine Lello, B.A., Mount Mary College, 1967. Speech.
- Mary Agnes Leonard, B.A., Mundelein College, 1966. Education.
- Gregory Boris Long, B.A., University of San Diego, 1968. English.
- Seelye Burr Longnecker, B.A. DePauw University, 1967. Education.
- Carolyn F. Lorence, B.A., Loyola University, 1969. English.
- Richard Henry Love, B.A., University of Illinois, 1968. Art.
- Paul Michael Lubeck, A.B., St. Michael's College, 1965; M.A., Northwestern, 1969. Sociology.
- Lillian Diana MacBrayne, B.A., Augustana College, 1960. Art.
- Donna Victoria Machcinski, B.A., Mount Holyoke College, 1968. Speech.
- Charles Louis Maday, Jr., A.B., Canisius College, 1967. Speech.
- Kathleen Mary Maier, B.A., St. Xavier College, 1969. Speech.
- Robert Daniel Malen, B.A., McGill University, 1969. Sociology.
- Perrie Michele Marks, B.S., University of Illinois, 1969. Speech.
- Cathy Smith Martin, B.A., Bemidji State College, 1967. Education.
- F. Douglas Martin, B.S., Drexel Institute of Technology, 1967. Economics.
- Ubaldo Martínez-Lazaro, Licenciado, University of Madrid, 1966. Sociology.
- Dorothy J. Martinkovic, A.B., Loyola University, 1967. English.
- Harold Edward Massion, B.A., University of Illinois, 1969. Speech.
- Catherine Kirby Matz, B.A., Purdue University, 1967. Speech.
- Hilda N. McElroy, B.S., Xavier University, 1945. Speech.
- Doris K. McKinven, B.S., Ohio University, 1941. English.
- Susan S. Mintzes, B.A., Northwestern University, 1969. Speech.
- Robert Franklin Mohns, B.S., Illinois Wesleyan University, 1957. Mathematics.
- Barbara Wine Morriston, B.A., Goucher College, 1967. Philosophy.
- Carol L. Murphy, B.S., University of Kansas, 1964. Education.
- Gary Nanke, B.A., University of Northern Iowa, 1965. Mathematics.
- Marlene Napalo, B.A., Ohio University, 1969. English.
- Catherine Alexandra Nassif, B.A., Drake University, 1969. English.
- Karen Ann Neimeier, B.A., Rockford College, 1964. Education.
- Kay Ober, B.A., Carleton College, 1968. Speech.
- Nancy Cohodas Oberman, B.A., University of Michigan, 1968. Speech.
- David Henry Parsons, A.B., Guilford College, 1966. Anthropology.
- Renee Gail Pasikov, B.A., University of Michigan, 1967. Speech.
- Arthur H. Patterson, B.A., Clark University, 1968. Psychology.
- Diane Yvonne Petersen, B.A., Ohio Wesleyan University, 1966. Speech.
- Donna Marie Petre, B.A., Clarke College, 1969. History.
- Judith Moss Phillips, B.A., Roosevelt University, 1968. Russian.
- Dawn Rae Piottter, B.A., Augustana College, 1969. Speech.
- Silke Ellen Podcyn, B.A., University of the Pacific, 1968. Speech.
- Patricia L. Powers, B.A., De Paul University, 1965. Mathematics.
- Ruthmary Powers, B.S., Saint John College, 1967. English.
- George Dennis Pryjma, B.A., Northwestern University, 1968. Mathematics.
- Marianne Adams Psilos, B.S., Northwestern University, 1969. English.
- Carolyn Jo Pugsley, B.A., Wayne State Teachers College, 1959. English.
- Adelyn Ramoni, B.A., Montclair State College, 1966. Speech.
- Mary Lynn Reppa, B.S., Marquette University, 1968. Mathematics.
- Veronika Elizabeth Roessler, Eq. of B.A., Georg August Universitat (Germany), 1969. German.
- Angela G. Rojas, Eq. of Bach., Catholic University, Valparaiso (South America), 1967. Education.
- Douglas Benjamin Rosentrater, B.A., University of South Florida, 1969. Speech.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

- Peter Alexander Rothman, B.A., Hobart College, 1969. Speech.
 Susan Anne Ruebush, B.A., Indiana University, 1965. Education.
 Marsha Aronson Ruttenberg, B.A., University of Illinois, 1968. Spanish.
 Thomas Jefferson Saine III, B.A., University of Denver, 1969. Speech.
 Paul George Schervish, B.A., University of Detroit, 1968. Sociology.
 Lillian B. Schrotzberger, B.S., Wayne State University, 1969. Speech.
 Nora Stacey Seaborne, B.A., University of Victoria (Canada), 1969. Speech.
 George Franklin Seidenbecker, B.A., Northern Illinois University, 1967. English.
 Exequiel R. Sevilla, B.A., Fordham University, 1953. Sociology.
 Richard Eric Shaw, B.A., Emory University, 1968. Economics.
 Shinei Shigefuji, B.A., Ryukoku University (Japan), 1956. History and Literature of Religion.
 Lucinda Grantham Shoemaker, B.A., University of Mississippi, 1964. Speech.
 Kathleen Ann Skierski, B.A., Northwestern University, 1969. Speech.
 Edith R. Skom, B.A., University of Chicago, 1948. English.
 Jean M. Johnson Smith, B.A., Indiana University, 1941. English.
 Lou Ann Smith, B.S., University of Oklahoma, 1969. Speech.
 William Robertson Smoot II, B.A., Purdue University, 1969. Philosophy.
 Joanne Young Soderstrom, B.A., North Park College, 1965. Speech.
 Hilde Spiegel, B.A., Barat College, 1969. French.
 Carol Gilszmer Steben, B.A., Elmhurst College, 1966. Education.
 Gerald Michael Stein, B.A., University of Illinois, 1968. Psychology.
 John Nixon Stellwagen, B.A., Arizona State University, 1966. English.
 Beryl Virginia Stevens, B.A., Tufts University, 1969. Education.
 Richard P. Strauss, B.A., Franklin and Marshall College, 1968. Economics.
 Dollie Suzanne Street, B.A., Kansas State College, 1967. Spanish.
 Medagampala Sumanashanta, B.A., University of Ceylon, 1962. History and Literature of Religion.
 Joan Ann Teich, B.A., College of St. Teresa, 1966. Speech.
 Richard Simon Terzian, B.S., University of Illinois, 1968. Economics.
 Brian Pierre Elliot Thiebaut, A.B., University of California, 1969. English.
 Michelle Gilbert Treiman, B.A., University of California, 1963. Art.
 Joe Udo Umo, B.S., University of Ibadan (Nigeria), 1968. Economics.
 Michele Louise Vacca, B.S., Northwestern University, 1969. Speech.
 James John Vavra, B.A., Northwestern University, 1969. Classics.
 Doreen Grace Viskniskki, A.B., Indiana University, 1964. English.
 Stanley Gerald Walens, A.B., Haverford College, 1969. Anthropology.
 Maryanne Wolf Ward, B.A., St. Mary's College, 1969. English.
 Anna M. Pietrolonardo Waterloo, B.A., Scripps College, 1969. Spanish.
 Fredric M. Weber, B.A., University of Wisconsin, 1969. Philosophy.
 Robert H. Wegner, B.S., St. Cloud State College, 1967. Mathematics.
 J. Timothy Weigel, B.A., Yale University, 1967. Speech.
 Sheila Ann Weiss, B.A., Michigan State University, 1966. Education.
 Robert Leigh Welch, B.A., University of Maryland, 1968. Economics.
 Cynthia Jane Wheeler, B.A., Denison University, 1968. Speech.
 Kenneth N. Wiersma, B.A., Northwestern College, 1964. Mathematics.
 Benjamin Williams, B.S., Arkansas Baptist College, 1957. History.
 Marie O. Wise, B.S., University of Wisconsin, 1939. Education.
 Monika Friedrich Wittig, Eq. of B.A., Johann-Wolfgang-Goethe University, 1967. Sociology.
 Patricia Ann Wolthuis, A.B., Calvin College, 1969. Speech.
 Samuel Peng-Yuen Wong, B.D., Garrett Theological Seminary, 1967. Sociology.
 Mary Virginia Wright, B.S., Northwestern University, 1969. Education.
 Kathy Ann Wulle, B.A., Carleton College, 1963. Speech.
 Robert Odell Wyatt II, B.A., University of the South, 1968. English.
 Dale L. Yingst, B.A., Culver-Stockton College, 1952; M.A., Arizona State University, 1959. Mathematics.
 Judy Yordon, B.A., Northeastern Illinois State College, 1968. Speech.
 Anna Marie Zellmer, A.B., Augustana College, 1967. Mathematics.

NORTHWESTERN UNIVERSITY

MASTER OF ARTS IN TEACHING

Douglas Allen, B.A., Whitman College, 1969. Education.
 Jane Anne Bailey, B.A., St. Louis University, 1967. Education.
 Susan Marie Barrett, B.A., University of Wisconsin, 1969. Education.
 Katherine Janet Beal, B.A., University of Chicago, 1969. Education.
 Linda K. Bender, A.B., Indiana University, 1968. Education.
 Lynn Churchill Beutell, B.A., Northwestern University, 1969. Education.
 Jean Frances Brandt, B.A., Kalamazoo College, 1969. Education.
 Patricia T. Brandt, B.A., Drake University, 1969. Education.
 Sara Allyson Burks, B.A., Northwestern University, 1969. Education.
 Susan Rinker Carlson, B.A., Northwestern University, 1969. Education.
 Eileen Anne Cenci, B.A., Elmira College, 1969. Education.
 Louis Charles Chiara, B.S., Regis College, 1969. Education.
 Harvey Atwood Daniels, B.A., Northwestern University, 1969. Education.
 David W. Dickey, B.S., Colorado College, 1969. Education.
 Susan Lois Drese, B.A., Elmhurst College, 1968. Education.
 Jean E. Dunlap, B.A., Furman University, 1967. Education.
 Patricia Mary Egan, B.A., University of Santa Clara, 1969. Education.
 Barbara Anne Farrell, B.A., College of New Rochelle, 1969. Education.
 Leah R. Finkelstein, B.A., University of Pittsburgh, 1969. Education.
 Beverly Ann Fitch, B.A., Grinnell College, 1969. Education.
 Kenneth Fitschen, B.A., St. Louis University, 1967. Education.
 Elizabeth A. Gann, B.A., Wellesley College, 1965. Education.
 Susan Garvey, B.A., Denison University, 1969. Education.
 Gwyneth Davis Gillingham, B.A., University of Illinois, 1969. Education.
 Frederick W. Gloff, B.S., Wheaton College, 1969. Education.
 Katherine H. Goldensohn, B.A., Carleton College, 1965. Education.
 Janet Gross, B.A., University of Colorado, 1968. Education.
 Madelyn Ruth Haines, B.A., Carleton College, 1969. Education.
 Ronald Michael Hedstrom, B.A., North Park College, 1969. Education.
 Milton William Hummel, B.A., Yale University, 1969. Education.
 Susan Lynn Humphrey, B.A., Denison University, 1968. Education.
 Laird Roland Johnson, B.A., Ohio Wesleyan University, 1969. Education.
 Marjorie B. Kaplan, B.A., Northwestern University, 1969. Education.
 Carolyn Joy Kitzke, B.A., Northwestern University, 1969. Education.
 Barbara Jones Kline, B.A., University of Illinois, 1968. Education.
 Lorelei Lois Lahsin, B.A., Knox College, 1969. Education.
 Nancy Sylvia Lukasik, B.A., Northwestern University, 1969. Education.
 Kathleen Mary Meskill, B.A., Saint Mary's College, 1967. Education.
 Joseph G. Mohlman, Jr., B.A., Amherst College, 1969. Education.
 James F. Mullerheim, B.A., University of Chicago, 1969. Education.
 Jeanne Ann Oakson, B.A., Mount Holyoke College, 1969. Education.
 Kenneth R. Peterson, B.A., Augsburg College, 1967. Education.
 Anita Marie Rees, B.A., Tulane University, 1969. Education.
 Eileen Marie Rivers, B.A., Knox College, 1969. Education.
 Bernhard A. Rosenstein, B.A., Rutgers University, 1969. Education.
 Connie Lou Runberg, B.A., Tulane University, 1969. Education.
 Barbara Utley Schilling, B.A., Smith College, 1967. Education.
 James Elliot Schnitz, B.A., Northwestern University, 1969. Education.
 Karen A. Smeltzer, B.A., Wittenberg University, 1968. Education.
 John George Spangenberg, Jr., B.S., Fairleigh Dickinson University, 1968. Education.
 Sharon Lee Steberl, B.A., Denison University, 1962. Education.
 Janet Elaine Steffen, B.A., Macalester College, 1967. Education.
 Terry Walter Strecker, B.A., Carleton College, 1969. Education.
 James R. Unkenholz, B.S., North Dakota State University, 1958. Education.
 Marjorie Alice Vogele, B.A., Northwestern University, 1969. Education.
 Wayne D. Watson, B.A., Northwestern University, 1968. Education.
 Richard Henry Wedel, B.A., Cornell College, 1967. Education.
 Mark L. Wilmot, B.A., Lawrence University, 1968. Education.
 Mary Maureen Wiseman, B.A., University of Illinois, 1969. Education.
 Elizabeth Lerner Wolfe, B.A., Northwestern University, 1969. Education.

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

MASTER OF FINE ARTS

Mary Diehl Griswold, B.S., Northwestern University, 1966. Speech.

MASTER OF SCIENCE

James Anthony Armstrong, Jr., B.M.E., University of Detroit, 1966. Mechanical Engineering.
Robert Henry Arnold, B.S., Northwestern University, 1966. Accounting.
Aguiles Arrieta, B.S., Universidad de los Andes, 1968. Civil Engineering.
William E. Assmus, Sr., B.C.E., Rensselaer Polytechnic Institute, 1965. Civil Engineering.
Robert Walter Bednarz, B.S., Northwestern University, 1962; M.S., Syracuse University, 1966. Applied Mathematics.
Lee A. Bertman, A.B., Cornell University, 1967; M.A., Northwestern University, 1970. Civil Engineering.
Salvatore Leonard Bibona, B.S., Newark College of Engineering, 1969. Civil Engineering.
Stephen Michael Blue, B.S., Carnegie-Mellon University, 1964. Civil Engineering.
David F. Cahen, B.S., Hebrew University of Jerusalem, 1969. Chemistry.
Lorac Shiu-Hay Chow, B.S., University of Hong Kong, 1966. Mechanical Engineering.
Jose Maria Roa Cobian, M.S., Bilbao Technological Institute, 1969. Nuclear Engineering.
Fernando Correa, B.S., Universidad del Valle (Colombia), 1967. Chemistry.
R. Jean-Pierre Dalcorso, Diplome, Ecole Nationale Supérieure des Industries Chimiques, 1968. Chemical Engineering.
Howard Paul Davis, B.S., The Cooper Union, 1968. Physics.
Virginia Medwid Diewert, D.D.S., University of Alberta, 1966. Dental.
Robert Walter Dillon, B.B.A., University of Notre Dame, 1963; J.D., Northwestern University, 1966. Transportation.
Jagdish Gobindram Dingrani, B.E., University of Bombay, 1969. Chemical Engineering.
Joseph Shao-Ying Feng, B.S., California Institute of Technology, 1969. Physics.
Robert Joseph Fieg, B.S., Michigan State University, 1968. Electrical Engineering.
Moti Thanwerdas Gidwani, B.E., Sardar Patel College of Engineering, 1968. Electrical Engineering.
Michael Edward Graham, B.S., University of California, 1966. Materials Science.
George Randal Haithcock, B.A., Johns Hopkins University, 1968. Geography.
Harold Clifford Hall, B.S., Iowa State University, 1953. Civil Engineering.
Thomas George Hallin, B.S., Oregon State University, 1968. Electrical Engineering.
David L. Hayes, B.E., University of Liverpool (England), 1966. Civil Engineering.
Marie Hintz, B.A., University of South Florida, 1968. Biological Science.
Kathryn Elise Janda, B.A., Northwestern University, 1968. Industrial Engineering.
Ashok V. Joshi, B.E., Poona College of Engineering, 1966. Materials Science.
Douglas Philip Karim, B.S., Cornell University, 1969. Physics.
Alan Francis Karr, B.S., Northwestern University, 1969. Industrial Engineering.
Jayant Kathju, B.S., University of Bombay, 1952. Chemical Engineering.
Lawrence Joseph Kenah, B.S., Boston College, 1968. Physics.
Roger Arthur Ketcham, B.E., City College of New York, 1966. Civil Engineering.
Jena Khadem Khodadad, B.S., Mt. Union College, 1960. Biological Science.
David Koran, B.A., Lehigh University, 1969. Chemistry.
David Charles Kroop, B.S., Virginia Polytechnic Institute, 1968. Electrical Engineering.
Danie Lombaard, B.S., Stellenbosch University (South Africa), 1963. Civil Engineering.
Patrick J. Lynch, B.E., National University of Ireland, 1957. Civil Engineering.
Judy Elyse Meyerson, B.S., University of Illinois, 1966. Psychology.
Robert H. Mikkelsen, B.S., Nebraska Wesleyan University, 1967. Pharmacology.
Warren F. Miller, Jr., B.S., U.S. Military Academy, 1964. Nuclear Engineering.
Joel Moskowitz, B.S., Rutgers-The State University, 1968. Civil Engineering.

NORTHWESTERN UNIVERSITY

Raymond Motluck, B.S., University of Illinois, 1968. Mechanical Engineering.
 Pradeep Vinodray Patel, B.E., University of Bombay, 1969. Chemical Engineering.
 Richard Bendix Peterson, B.S., University of Minnesota, 1968. Transportation.
 Alejo Planchart, B.S., Universidad Catolica Andres Bello, 1964. Industrial Engineering.
 Thomas Francis Reynolds, B.S., Creighton University, 1967. Chemistry.
 Kemil Assad Rizk-Aziz, B.S., Instituto Tecnologico de Monterrey (Mexico), 1968. Industrial Engineering.
 Aviva Rosset, B.S., Tel-Aviv University, 1967. Applied Mathematics.
 Antonio Santosmoreno, Ingeniero, Escuela Ingenieros de Caminos (Madrid), 1968. Civil Engineering.
 Joseph George Schell, Jr., B.S., Louisiana State University, 1969. Chemistry.
 Gay Doreen Serway, B.S., University of Illinois, 1969. Industrial Engineering.
 Lawrence Shactel, B.E., The Cooper Union, 1967. Civil Engineering.
 Helen Sieben, B.S., Mundelein College, 1966. Mathematics.
 Jeremy Edward Snyder, B.S., University of Notre Dame, 1967. Geological Sciences.
 Richard Stenglein, B.S., Illinois Institute of Technology, 1969. Mechanical Engineering.
 William George Stone, B.A., Eastern Michigan University, 1967. Psychology.
 John Henry Sulima, B.S., Northern Illinois University, 1967. Geological Sciences.
 Gregory J. Suski, B.S., Northwestern University, 1969. Electrical Engineering.
 Ronald Edward Turner, B.A.Sc., University of Toronto, 1953; M.B.A., McMaster University, 1966. Industrial Engineering.
 Milan Vanecek, Diploma, Charles University (Prague), 1967. Physics.
 Serge V. Varaksin, B.S., Hasselt Institute of Technology, 1968. Civil Engineering.
 Roger Thomas Ward, B.A., Northwestern University, 1968. Applied Mathematics.
 David K. Weber, B.S., Cornell University, 1968. Materials Science.
 Hartmut U. Wider, Diploma, University of Stuttgart, 1969. Nuclear Engineering.
 Joseph Wong Fai Woo, B.A., Southern Illinois University, 1969. Chemistry.
 Tony Rex Zerbe, B.S., Northwestern University, 1969. Civil Engineering.

PRIZES AND HONORS

ALL-UNIVERSITY PRIZES

THE JOHN B. KIRK PRIZES IN ORATORY: Mark S. Utley (first); Mary A. Richardson (second); Kris D. Knudsen (third)

MILTON S. FLORSHEIM PRIZES FOR DEBATE: David H. Brown, Kenneth M. Strange, H. Ronald Welsh

ROBERT M. CUMNOCK DEBATE PRIZES: Paul D. Clote, Ronald L. Marmer, Elliot M. Minberg, Danny M. Mueller, Mark S. Utley

AGNESS LAW DEBATE PRIZES: Terri L. Davis, Mary A. Richardson, Sarah R. Wolff

NORTHERN ORATORICAL LEAGUE CONTEST: Mark S. Utley

HARDY SCHOLARS

In the Graduating Class—School of Law

Louis Charles Keiler, Jr., 1968-1971

(3 years)

Member of the Editorial Board, Northwestern University *Law Review*

William Patrick Pearce, 1968-1971

(3 years)

Article Editor, Northwestern University *Law Review*

In the Graduating Class—Undergraduate

Lawrence P. Bemis

Three Year Scholar

Varsity Debate, three years

Chairman of Political Forum

Co-chairman of Young Republicans

Cumnock Debate Prize

Steven E. Gunderson

Four Year Scholar

Varsity Debate, three years

Cumnock Debate Prize

National Debate Tournament

Clarion De Witt Hardy Scholars in School—Undergraduate

David H. Brown

Paul D. Clote

Ronald L. Marmer

Dan M. Mueller

Elliot M. Minberg

H. Stephen Schiffres

H. Ronald Welsh

Mark S. Utley

WEYMOUTH-KIRKLAND SCHOLAR

In the Graduating Class—School of Law

John Louis Leonarczyk, 1968-1971

(3 years)

NORTHWESTERN UNIVERSITY

THE COLLEGE OF ARTS AND SCIENCES

DANIEL BONBRIGHT MEMORIAL SCHOLARSHIPS: Ina Rae Hark, Barbara Ellen Kurtz, Laurie Ann Nelson

JAMES ALTON JAMES MEMORIAL SCHOLARSHIPS: James Edward Avery, Kenneth Wayne Johnson, John Leed Miller

OLIVER MARCY MEMORIAL SCHOLARSHIPS: Marshall Nelson Cyrlin, Steven Lee Guber, Jan Karel Zaluda

PHI BETA KAPPA

Class of 1971

Margaret Louise Anderson	Catherine Mary Key
*James Edward Avery	Mary Kathryn Krigbaum
Michael James Bagdon	Clinton Arthur Krislov
Rose Ellen Bencomo	*Barbara Ellen Kurtz
Beth Gail Brandolph	Nancy Kay Lakeman
Susan Reeder Breuer	*Keith Andrew Levine
Jonathan Lewis Caine	William Stuart Lipsman
James H. Caplan	Karin Sue Mahlberg
Dennis Karl Chernin	Earl Michael Maltz
Susan Alberta Circle	Dean Latain McCarley
George Shanahan Coakley	James Merrill McConnell
Wayne M. Couwenhove	Patricia Gee Meyer
William Sterling Cox	William Morrison Meyers, Jr.
Carolyn Ann Crusey	John Leed Miller
Marshall Nelson Cyrlin	Mark Crispin Miller
Margaret Jane Dastoli	Robert Whitelaw Moats
Bank Dawson	Prudence Felzan Moore
Glenn Milton Fellman	Laurie Ann Nelson
Terry Lynne Marie Gagliardo	Marc Rasansky
Elayne Karen Garber	Nicholas Chris Retson
Julie Galliers	David Charles Roszkowski
Betty Jane Gilfoil	Susan Elizabeth Sattler
George Douglas Greenfield	Martha Linn Scheel
*Steven Lee Guber	Rheta Susan Schwartz
Marcia Sue Halperin	Thomas Sharpton
Ina Rae Hark	*Timothy Charles Sherck
Larry Keith Hirsch	*Barry Jay Silverman
Jay Hirsh	Jay Mayer Silverman
Janet Lynn Hitzman	James Allan Soderberg
Michael Stanley Holzman	Sandra Gudrun Stabb
Nancy Ann Huntington	Gayle Rothenberger Theiman
Laurence Alan Jacobs	Randolph Coleman Visser
Lynn Cheri Kaplan	*Jan Karel Zaluda

PHI BETA KAPPA

Class of 1972

William Duane Benton	Mallory Kim Neuberg
Christine Larsen Campbell	Kerry Dalton Olsen
Richard William Johnson	Marlene Anne Papp
Robert Marcus	Gilla Prizant

*Elected during junior year

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

ALPHA SIGMA LAMBDA

Lesley Ann Bladen
Varoujan Durgarian
Walter Joseph Gaffigan
Bartholomew Guttman

Joseph Wenceslaus Knotek
Patricia Ann Nelson
Dorothy Siemsen Sylvester

BACHELOR OF ARTS

August 1970

Degree Awarded With Distinction

Leslie Major

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

Degrees Awarded With Highest Distinction

Michael Dunn
James Fish

Boyd Groth

Degrees Awarded With Distinction

Scott Aksman
Howard Gillis
Richard Kunske

Patricia Merwick
Robert Mikkelson

HONORS PROGRAM IN MEDICAL EDUCATION

John Albanese
Daniel Arnold
John Bartleson
Bruce Bartlow
Conrad Blum
Stephen Chernaik
Arthur Curtis
John Glover
Larry Hagerman

James MacKenzie
Cheryl McCartney
Craig McKeown
James McMillan
Elmer Perse
Dennis Styne
Michael Verta
Lorry Widger
Felix Zwiebel

LESLIE BRAINARD AREY (PHI BETA PI) AWARD: John Cooley

BORDEN RESEARCH AWARD: Nicholas Emanuele

FREDERICK H. RAWSON, JR. SCHOLARSHIP: Boyd Groth and Richard Kunske

NORTHWESTERN UNIVERSITY

ALPHA OMEGA ALPHA

Scott Aksman
John Albanese
William Barnhart
David Barry
Don Blair II
Conrad Blum
Stephen Carlson
Michael Dunn
James Fish
Robert Geer
Howard Gillis
John Glover

Boyd Groth
Mary Groth
Larry Hagerman
J. Patrick Hieber
Richard Kunske
James McMillan
Patricia Merwick
Sol I. Rajfer
Daniel Sexton
Gregg Springer
Howard Weiss

BACHELOR OF SCIENCE IN MEDICINE

Degree Awarded With Highest Distinction

Robert Gordon

Degrees Awarded With Distinction

Susan Perlman

Chester Schott

THE SCHOOL OF LAW

WIGMORE KEY: John Louis Leonarczyk

LOWDEN-WIGMORE COMPETITION: Glynna Weger Freeman, Kathy Miller
Hahn, Eric M. Schiller, Donald Arthur Wall

JULIUS H. MINER MOOT COURT COMPETITION: Robert Edward Haley and
Raymond Fylstra (Winning Team, Best Oral Argument, Best
Brief)

THE SCHOOL OF SPEECH

ZETA PHI ETA SCHOLARSHIP IN INTERPRETATION: Michael C. Adams

PHI BETA SCHOLARSHIP: Babette A. Sands

JUNIOR SCHOLARSHIP: Elizabeth M. Herlihy

SOPHOMORE SCHOLARSHIP: James A. Backstrom, Jr.

THE DRAMA CLUB OF EVANSTON SCHOLARSHIPS: Roger W. Mueller,
Catherine A. Osborne, Linda C. Pierce

DELTA ZETA SCHOLARSHIP: Julie A. Esrock

MERCY SIMERAL PARKHILL SCHOLARSHIP: Nancy L. Cummings

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

JOSEPH LEVIN FOUNDATION SCHOLARSHIP: Marianne M. Streff

SAM S. SHUBERT GRADUATE FELLOWSHIP IN PLAYWRITING: Alexandra H. Brown

DRAMATISTS GUILD FUND, THE HOWARD LINDSAY - RUSSEL CROUSE MEMORIAL AWARD: Ross G. Parker

ZETA PHI ETA AWARD IN CHILDREN'S THEATRE: Linda Hutson

THEATRE DEPARTMENT PRIZE: Pamela S. Peniston

EVANSTON CHAPTER OF NATIONAL SOCIETY OF ARTS AND LETTERS AWARD: Kathryn L. Flanagan

LUCIA MAY WIAINT AWARD: William W. Jackson

JAMES L. LARDNER MEMORIAL AWARD: Paul C. Edward

MARY PETERSON GILBERT AWARD: Ronald L. Marmer

CHARLOTTE I. LEE AWARD: Christopher Corbett

INTERPRETATION HONORS: Carol A. Gigliotti, Delia E. Hattendorff, Robert D. McBrien (undergraduate)

PUBLIC ADDRESS AND GROUP COMMUNICATION HONORS: Kris D. Knudsen, Ronald L. Marmer, Linda H. Mullenbach, Michael A. Spangler, Robert I. Strauss

SPEECH AND LANGUAGE PATHOLOGY HONORS: Phyllis H. Albrecht, Anna C. Rudziewicz (graduate); Helen J. Beck (undergraduate); Honor Member of Sigma Alpha Eta: Patricia J. Seiffer

LEARNING DISABILITIES HONORS: Janet G. Altman (graduate)

EDUCATION OF THE HEARING IMPAIRED: Joan E. Cook (undergraduate)

RADIO, TELEVISION, AND FILM HONORS: Service Award: Carolyn M. Giacomini; Writing Award: John J. Powers; Announcing Award: Alan H. Lerner; Production Awards: Radio—Kenneth D. Ollweiler; Television—Michael J. Meagher; Film—Dana C. Kelly, John E. Sloan, Joanne L. Williams

SPEECH EDUCATION HONORS: Leslie J. Dolgenow, Laurie M. Friedman, Janet E. Jackson, Laura J. Hellrung, Patricia J. Hull, Abbey L. Kolber; Zeta Phi Eta Award for Outstanding Achievement: Patricia J. Hull; Karl F. Robinson Graduate Award: Cassandra L. Book

THEATRE HONORS: Acting—Roger W. Mueller, Megan M. McTavish; Design—Pamela S. Peniston; Directing—Richard E. Culliton; Technical—John W. Davis III

NORTHWESTERN UNIVERSITY

THE SCHOOL OF DENTISTRY

ALPHA OMEGA SCHOLARSHIP AWARD: Gary Lee Ogrosky

CLIVE I. HADLOW AWARD: Jack M. Richard

ALVIN H. GRUNEWALD PROSTHETICS ACHIEVEMENT AWARD: Raymond K. Hendrickson

AMERICAN COLLEGE OF DENTISTS (ILLINOIS SECTION): Gary Lee Ogrosky

THE ODONTOGRAPHIC SOCIETY OF CHICAGO AWARD: John Allan Combs

INTERNATIONAL COLLEGE OF DENTISTS AWARD: Marc Robert Joondeph

AMERICAN SOCIETY OF DENTISTRY FOR CHILDREN: Jeffrey Mace Beuttell

AMERICAN ACADEMY OF GOLD FOIL OPERATORS AWARD: Joseph H. Price

AMERICAN ASSOCIATION OF ENDODONTICS AWARD: Charles Herbert Ekstrom

AMERICAN ACADEMY OF ORAL MEDICINE: Wayne Robert Helge

AMERICAN ACADEMY OF PERIODONTOLOGY: Charles Clark Kallstrom

C. V. MOSBY AWARDS: John Steven Garrett, Robert Arthur Hannagan, Charles Gilbert Stendahl, Gordon Lee Watson, Benita June Folkman

OMICRON KAPPA UPSILON

Jeffrey Mace Beuttell
John Allan Coombs
Marc Robert Joondeph
David John Katrana

Kenton C. Nicholas
Gary Lee Ogrosky
Joseph H. Price
Jack M. Richard

SIGMA PHI ALPHA

Donna Janina Jepson

Karen Lynn Maloney

THE SCHOOL OF MUSIC

FREDRIK A. CHRAMER AWARDS FOR EXCELLENCE IN OPERA: Malita Baron, Dennis Cooley, Helen K. Eberley, Elise R. Fennessy, Margaret Friel, Donald Gray, Arvid J. Knutsen, Eugenia Krone, Linda Laubach, Edith Meyers, Darrell A. Parsons, Edwin Quistorff, Lynn Roseberry, Robert H. Shamblin

WADE FETZER AWARD FOR EXCELLENCE IN PERFORMANCE: Albert Woodward

AMELIA A. HOFF AWARD: C. Lawrence Campbell

ANNA SCHAUFFLER LOCKWOOD AWARD FOR EXCELLENCE IN STRING MUSIC: David Sanders

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

LOUIS SUDLER AWARD FOR EXCELLENCE IN THE ART OF ORATORIO SINGING:
Gayle Pantaleo, Donald Gray

SIGMA ALPHA IOTA DEAN'S HONOR AWARD: Sandra Mehr

SIGMA ALPHA IOTA HONORS CERTIFICATE: Nancy McAlhany

SIGMA ALPHA IOTA SWORD OF HONOR AND LEADERSHIP AWARDS: Pamela
Grant, Barbara Schramm, Charmian Tashjian

JANE HAMILTON FISK AWARD: Suzanne Johnson Peterson

PI KAPPA LAMBDA

Vergie Roos Amendola
Barbara Bailey
Robert Bell
Frank Diliberto
Susan Ekholm
Joanne Graf
Merrill Harlan
Charles Hawes
Constance Healy
Michael Henoch
Randy Hogan camp
Edward Kocher
Philip Kraus
Sister Donna Kucenski
Margaret Levy

Francis Little
Jennifer McKenzie
Sandra Mehr
Samuel Prather, Jr.
C. Lynn Roseberry
Stefani Schwartz
Barbara Staropoli
Timothy Stewart
Stephen Swanson
Thomas Torchedlo
Joan Trapp
Jean Van Altena
Mary Kay Wallin
Barbara Wimunc

GRADUATE SCHOOL OF MANAGEMENT

ERNST & ERNST AWARD: Robert McMillion Hayes III

FINANCIAL EXECUTIVES INSTITUTE AWARD: Steven Graham Elliott

WOLF & COMPANY PRIZE: John Brewster Schmuck

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Andrea Staar Ackermann
Stephen Peter Adik
Robert Richard Bartels
James Norman Bayley
Robert Alan Clark
John J. Curran
Ronald Richard Czecholinski
Wesley Smith David, Jr.
Robert Francis Duermit
Steven Graham Elliott
Dale Francis Flaherty
David Charles Forell
Bruce Davidson Fraser
Robert McMillion Hayes III
Bo Jarnstedt, Jr.
Theodore Robert Kuyper
Michael Eugene Lowey

Clifford Lawrence McKinney
Charles George Nevaril
Thomas Alan Nickles
William Lee Nicks III
Gary Robert O'Neal
David Eugene Pease
James Michael Reddy
G. Richard Russell
Roger Franklin Ruttenberg
Todd William Schmidt
Irvin Darrow Smith
John Hyden Waller
Stephan Fredrick Weiss
Timothy Alan Wille
Walter Wilson
James Randall Zilka
Robert Lowell Zumstein

NORTHWESTERN UNIVERSITY

BETA GAMMA SIGMA

Andrea Staar Ackermann
Stephen Peter Adik
Robert Richard Bartels
Robert Allen Besse
Robert Alan Clark
Karen Elizabeth Corwin
Ronald Richard Czecholinski
Wesley Smith Davis, Jr.
Robert Francis Duermit
Bo Jarnstedt, Jr.
Theodore Robert Kuyper
Joseph Byrne McCarthy, Jr.
Clifford Lawrence McKinney
Charles George Nevaril

Thomas Alan Nickles
William Lee Nicks III
Howard R. Ober
Gary Robert O'Neal
David Eugene Pease
Adolph Richard Ranieri
James Michael Reddy
G. Richard Russell
Roger Franklin Ruttenberg
Irvin Darrow Smith
John Hyden Waller
Brent David Wilson
James Randall Zilka
Robert Lowell Zumstein

THE MEDILL SCHOOL OF JOURNALISM

HARRINGTON MEMORIAL AWARDS: Advertising Major: Walter B. Todd;
Magazine Major: Lawrence D. Maloney; Newspaper Major: Roger
C. Boye; TV-Radio Major: Sherry L. Jones.

DOROTHY CARLYLE AWARD: Barbara Josephine Foeller

THETA SIGMA PHI FRED WHITING MEMORIAL SCHOLARSHIP AWARD: Abigail
Mary Foerstner

SIGMA DELTA CHI CITATION OF ACHIEVEMENT: Abigail Mary Foerstner

LOIS BAUER MEMORIAL AWARD: Barbara Josephine Foeller

KATHERINE KRIEGHBAUM MEMORIAL AWARD: Roger L. Kreidberg

KAPPA TAU ALPHA

Craig E. Arnoff
Barbara A. Bolsen
David W. Creed
Barbara J. Foeller
Ralph T. Hanson
Cynthia G. Kirk
Gregory A. Kinczewski
Mary C. Leonard
Roann K. Levinsohn

M. Lynn Lowery
Lawrence D. Maloney
Kevin M. Moore
Thomas A. Moore
Margaret A. Mulville
Joel V. Nilsson
Robert J. Rehak
Carl R. Schierhorn
Dana E. Whalen

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

THE TECHNOLOGICAL INSTITUTE

OID W. ESHBACH AWARD: Richard Barton Sanderson

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Douglas Allen Anderson	Harry Steven Knudson
William Hunter Bowman, Jr.	Lawrence W. Kozimor
Raymond Harding Brown	Richard Mertz
Kurt Ellis Hoffman	Gerald Lee Nudo
Charles Hamilton Kappauf	Gilbert Wakely Sutcliffe
Joseph C. Kitzinger	

ETA KAPPA NU

Peter Scott Baldwin	George Frederick Kroker
Michael Ray Bedford	John Ernest Matz
Dennis L. DeBruler	Douglas Scott Mitchell
Albert Durr Edgar	Richard Barton Sanderson
Daniel Joseph Fling	Melvin Aaron Schechtman
Thomas M. Jaskunas	Allen Taflove
Richard Charles Kazmar	

PI TAU SIGMA

Susan Floy Carver	Leslie Stephen Wolfe
David Michael Poydock	Neil Jay Zimmerman

TAU BETA PI

Peter Scott Baldwin	Raymond Krauchunas
Michael Ray Bedford	George Frederick Kroker
Samil Beret	John Ernest Matz
William Hunter Bowman, Jr.	Jan Y. Nakashige
Patrick Beretta Briley	Burks Oakley II
John William Caldwell	David Michael Poydock
Stephen Paul Curtis	Richard Barton Sanderson
Dennis L. DeBruler	Melvin Aaron Schechtman
Robert William Ellwein	Charles T. Shork
Daniel Joseph Fling	William A. Streff, Jr.
Harry Henry Hitzeman, Jr.	Alan R. Swanson
John Robert Jacobs	Allen Taflove
Charles Hamilton Kappauf	Leslie Stephen Wolfe
Richard Charles Kazmar	Neil Jay Zimmerman

NORTHWESTERN UNIVERSITY

*Additional Prizes and Honors announced too late for publication
in this program in the usual order of listing by schools.*

THE COLLEGE OF ARTS AND SCIENCES

PHI BETA KAPPA PRIZE: Marcia Sue Halperin and Ina Rae Hark

DEPARTMENTAL HONORS

ART	Betty Jane Gilfoil	Christine Anne Opp
BIOLOGICAL SCIENCES	Mark Wayne Burlingame	Judson Ball Reaney
	Marshall Nelson Cyrlln	Janice Lorraine Reiff
	Jay Hirsh	William David Wick
	Janet Lynn Hitzman	HISTORY AND LITERATURE OF RELIGIONS
	Laurence Alan Jacobs	Ralph Kinichi Tamura
	Carla Eva Kary	HOME ECONOMICS
	Clayton Edward Leopold	Nancy Louise Chapman
	Joan Brennan Siefert	Patricia Helen Johns
	Richard Mervin Smith	MATHEMATICS
	Robert Alan Thomas	John Robert Carlson
CHEMISTRY	Nancy Lee Garbe	James Merrill McConnell
	Larry Keith Hirsch	Nicholas Chris Retson
	Dean Latain McCarley	PHILOSOPHY
	Steve Novak	Mark Garen Moberly
	Carol Ada Pierce	John Galbraith Simmons
ECONOMICS	Glenn Milton Fellman	PHYSICS
	James Alan Gordon	Thomas Sharpton
	Jeffrey Robert Hall	Jan Karel Zaluda
	Leslie Lenore Leimbach	POLITICAL SCIENCE
	William Stuart Lipsman	Robert Edwin Forrest
	Allen Adam Mattes	William Mark Goodman
	Barry Jay Silverman	Robin Powell Hawley
	Frank Skala	Michael Stanley Holzman
ENGLISH	Clark Beim-Esche	Kenneth Wayne Johnson
	Ina Rae Hark	Clinton Arthur Krislov
	Catherine Mary Key	Steven Chase Kalmon
	Mark Crispin Miller	George Kundanis
	Christine Robinson	John Leed Miller
	Ken Wertheimer Shulman	Amanda Lee Moore
	Martha Ann Wiedman	Marc Rasansky
	Virginia Quick Wilson	Alan Joel Steinberg
GERMAN	Mary Kathryn Krigbaum	Gayle Rothenberger Thieman
	Arthur James Krumsee	Cecile Olivia Trop
	Martha Linn Scheel	PSYCHOLOGY
HISTORY	James Edward Avery	Mark Allan Barnett
	John Henry Esling	Susan Alberta Circle
	Alice Etelka Fried	Marcia Sue Halperin
	Richard Edwin Harlan	Rheta Susan Schwartz
	Kathy Louise Houck	Robert Frank Strauss
	Laurence Boyd Hunt	SOCIOLOGY
	Janet Louise Kurzeka	Rose Ellen Bencomo
	Rand Alan Marlis	Paul Alan Cartwright
	Barbara Arras Olsen	Judith Ann Doss
		Susan Jane Draper
		Noreen Rochelle Feldman
		Nathan Hatsuo Fujimoto
		Diana Hall
		Evelyn Kurisu
		Michael Dennis McDonnell

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

BACHELOR OF ARTS

Degrees Awarded With Highest Distinction

Clark Beim-Esche	Robert Whitelaw Moats
Wayne M. Couwenhoven	Laurie Ann Nelson
Marshall Nelson Cyrlin	Helen Vala Nemeth
Betty Jane Gilfoil	Barry Jay Silverman
James Alan Gordon	Richard Mervin Smith
Marcia Sue Halperin	Virginia Lee Soule
Ina Rae Hark	Sandra Gudrun Stabb
Laurence Alan Jacobs	Ralph Kinichi Tamura
Barbara Ellen Kurtz	Gayle Rothenberger Thieman
Keith Andrew Levine	Jan Karel Zaluda
Dean Latain McCarley	

Degrees Awarded With Distinction

Jonathan Keith Auerbach	Amanda Lee Moore
James Edward Avery	Anne Laura Myerson
Mark Allan Barnett	Monica Therese Pastorok
Jonathan Lewis Caine	Scott Michael Pierce
Paul Alan Cartwright	Carol Sweger Ploch
Dennis Karl Chernin	Steven Allen Rautenberg
Carolynn Ann Crusey	Nicholas Chris Retson
Alice Etelka Fried	James Amos Savage
Elayne Karen Garber	Rheta Susan Schwartz
George Douglas Greenfield	Timothy Charles Sherck
Norman William Johnson	James Allan Soderberg
Lynn Cheri Kaplan	Cecile Olivia Trop
Clinton Arthur Krislov	Randolph Coleman Visser
Diane Natalie Kriger	Constance Jean Ward
William Morrison Meyers	

BACHELOR OF PHILOSOPHY

Degree Awarded With Distinction

Leslie Ann Bladen

THE SCHOOL OF LAW

JURIS DOCTOR

Magna Cum Laude

Walter Warren Bell	Guy Gyora Gelbron
Gilmore Frederick Diekmann, Jr.	Joan Ellen Gestrin
Dennis Anthony Ferrazzano	Louis Charles Keiler, Jr.

NORTHWESTERN UNIVERSITY

Cum Laude

Alan Arthur Aronson
Clinton Joseph Feil
Richard Jay Firfer
Frederic David Floberg
Martin Richard Galbut
Laurence Goldman
Daniel Michael Harris
Robert Edward Jones
Allen Hugo Koranda
Charles Edward Levin
Steven Douglas McCormick
Phillip Lewis Nunnally
Lila Ann O'Brien
Rodney Wayne Osborne
Robert Bruce Patterson

William Patrick Pearce
David Stewart Rudstein
Harry Jay Seigle
James Ian Serota
John Mahood Sheffey, Jr.
Robert Marion Smierciak
Robert Aron Smoller
Gene Russell Solomon
Gary Lee Starkman
Jon Eric Steffensen
Margaret Gay Stewart
Roger Lee Taylor
Donald Arthur Wall
Nancy Shepanek Whitten

ORDER OF THE COIF

Walter Warren Bell
Gilmore Frederick Dickmann, Jr.
Dennis Anthony Ferrazzano
Richard Jay Firfer
Guy Gyora Gelbron
Joan Ellen Gestrin

Robert Edward Jones
Louis Charles Keiler, Jr.
William Patrick Pearce
David Stewart Rudstein
Roger Lee Taylor
Donald Arthur Wall

THE SCHOOL OF SPEECH

Degrees Awarded With Highest Distinction

Beth Merel Sonis

Carolyn Adelaide Stowell

Degrees Awarded With Distinction

Maher Hassan Ahmad
Ellen Rhonda Busman
Cheri Beth Couture

Judith Mary Glandon
Deborah Hayes

THE SCHOOL OF MUSIC

Degrees Awarded With Highest Distinction

Richard Paul Kennell
James Leslie Ladewig

Clara Rosenzweig Lindner

Degrees Awarded With Distinction

Michael Lee Henoch

Nancy Catherine McAlhany

ONE HUNDRED AND THIRTEENTH COMMENCEMENT

THE SCHOOL OF BUSINESS

Evening Division

COMMERCE CLUB DEGREE AWARD: Richard Arthur Hoenecke
DELTA SIGMA PI PRIZE: James Edward Paquin
LYDIAN LEADERSHIP AWARD: Mary Dolores Kinecki
PHI CHI THETA PRIZE: Karen Nieman Baker
PHI GAMMA NU PRIZE: Anne Woodman McGrath
JOSEPH SCHAFFNER PRIZE (DEGREE PROGRAM): Robert David Horner
JOSEPH SCHAFFNER PRIZE (DIPLOMA PROGRAM): Stanley William Stec
H. G. WRIGHT COMMERCE CLUB SCHOLARSHIP AWARD: Andre Michel-Charles Manfredi
THE DANIEL R. LANG AWARD: Anne M. Gunn
DELTA MU DELTA ASSOCIATES AWARD: Chi Delta Alpha, Delta Sigma Pi

DELTA MU DELTA

Karen Nieman Baker	John Peter Merenkov
Pauline M. Blain	Dean Minter
William Nicholas Bockay	Kevin Eugene Moran
Al Cecchin	Tony Munn
Henry C. Cheney	John O'Brien
Everett K. Faiz	James Edward Paquin
Anna Marie Fischer	Ann Roberson
Robert Gill	John Romans
Jay Carrington Gould	Reynold Edward Salmi
Lawrence Charles Hodapp	Albert Charles Schmidt
Eberhard Holweger	Teddy Gene Staley
Robert David Horner	Stanley William Stec
Jo Anne Jolicoeur	Harold Taylor
John H. Kvisky	James Arthur Varney
James O. Leck	Victor Edward Vogel
Andrew Michel-Charles Manfredi	Konrad Hermann Vollrath
Stanley Robert Mehaffey	Donald Wichlin

BACHELOR OF BUSINESS ADMINISTRATION

Degrees Awarded With Highest Distinction

Karen Nieman Baker Robert David Horner

Degree Awarded With Distinction

Albert Charles Schmidt

NORTHWESTERN UNIVERSITY

THE MEDILL SCHOOL OF JOURNALISM

MASTER OF SCIENCE IN JOURNALISM

Degrees Awarded With Highest Distinction

Roger Carl Boye
Philip Mark Lewenstein

Walter Bradford Todd

Degree Awarded With Distinction

Lawrence Dennis Maloney

BACHELOR OF SCIENCE IN JOURNALISM

Degrees Awarded With Highest Distinction

Craig Ellis Aronoff
Mona Lynn Lowery

Thomas Arthur Moore

Degrees Awarded With Distinction

Elliot Harold Brown
Robert James Rehak

Dana Elaine Whalen

THE TECHNOLOGICAL INSTITUTE

Degrees Awarded With Highest Distinction

Patrick Beretta Briley
Dennis L. DeBruler
Daniel Joseph Fling

Harry Leon Ginsberg
Richard Barton Sanderson
Allen Taflove

Degrees Awarded With Distinction

Michael Ray Bedford
Samil Beret
Stephen Paul Curtis
Robert William Ellwein
Richard W. Kirkwood

John Ernest Matz
Burks Oakley II
Melvin Aaron Schechtman
Nicholas A. Valos

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Ralph Francis Armstrong
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Jeffrey Douglas Chandler
Lawrence William Findeiss
David Michael Gubanc
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Ralph Irwin Murphy
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COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVAL RESERVE

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COMMISSION AS ENSIGN IN THE SUPPLY CORPS, U. S. NAVY

Charles Spurgeon Sharrocks, Jr.

COMMISSION AS ENSIGN IN THE SUPPLY CORPS, U. S. NAVAL RESERVE

Norman William Johnson

THE SCHOOL OF LAW

Degrees Granted January 1971

DOCTOR OF JURIDICAL SCIENCE

Hassan Mohamed Rada

JURIS DOCTOR

Lawrence Peter Biggam
*T. Michael Bolger
George William Connelly
James John Cullen, Jr.
John Philip Douglass
Bernard Francis Doyle, Jr.
Richard Paul Fahey
Donald Henry Geiger
Lee David Goldstein
Philip Edward Harrington
*Ronald Neil Heftman
Andrew Walston Jackson
David Arin Kallick
William Edward Lasko II
Julius Louis Loeser
James Alphonsus Lowe

Malcolm McCaleb, Jr.
William Edward McNulty
Dennis Paul McPencow
Walter Wendell Nielsen
Charles Paul Nomellini
**Charles Hugh Perlman
John Calvert Piper
Neil Michael Ross
Donald Edward Snow, Jr.
*Stephen J. Spitz
Barton Joel Springer
Morton Steinberg
Gary Michael Stern
Richard Pierce Thorsen
Dennis Warren Townley

ORDER OF THE COIF

Charles Hugh Perlman

Stephen J. Spitz

***Magna cum laude*

**Cum laude*

THE CAP AND GOWN

The cap and gown are worn by each participant in the Commencement exercises. The cap is worn throughout the ceremonies, except during the national anthem and the invocation. The tassel colors, which indicate the different Schools and departments, are as follows:

Graduate	<i>Black</i>	Business/Management	<i>Acorn</i>
Arts and Sciences	<i>White</i>	Speech	<i>Silver Gray</i>
Medicine	<i>Green</i>	Education	<i>Light Blue</i>
Law	<i>Purple</i>	Journalism	<i>Crimson</i>
Dentistry	<i>Lilac</i>	Technological Institute	<i>Orange</i>
Music	<i>Pink</i>	Traffic Institute	<i>Acorn and White</i>

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CHIEF MARSHAL	KURT STOEHR
Baccalaureate Marshal	CLIFTON BURMEISTER
Chairman of Marshals for the Faculty at Commencement	ROBERT BREEN
Chairman of Marshals for Students at Commencement	GERALD L. SMITH
Marshal for Recipients of Honorary Degrees	PETER P. JACOBI
AUDITORIUM MARSHAL AT COMMENCEMENT	WALDO FISHER
Lobby Marshal at Commencement	WILLIAM TEMPELMEYER
Chairman of Door Marshals at Commencement	CHARLES L. LONGWELL
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Chairman of Aisle Marshals at Commencement	WILLIAM E. DIETRICH
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Assistant Chairman of Ushers	WILLIS NORDHEM
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Assistant Chairman of Program Distributors	CHARLES L. DOUGHERTY
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Chairman of Parking Lots and Traffic	STANLEY GROSS
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MUSIC	JOHN P. PAYNTER
EMERGENCY MEDICAL SERVICE	DR. LEONA B. YEAGER
PUBLICITY	JACK O'DOWD
STAFF PERSONNEL	RAYMOND E. WILLEMAIN
CAPS AND GOWNS	MILDRED PARK
STAFF ASSISTANTS	KAY CHATAIN, MARION OSBORN, ELLEN STEWART
ARRANGEMENTS	M. E. EKBERG, WALDO FISHER, CHARLES L. OLSON, J. C. SANDERSON







